

On-Demand Data Checklist
(used when no other TRC exists)
For Internal Use Only

Parameter: Glycols by LC/MS/MS

BB21303
Batch #

Procedure/Method/Reference: _____

Site Name: Dimock WO# 2/20/12 1202004

Analyst: J. Gunderson Date given to Reviewer: 2/20/12

Matrix (circle): Solid / Aqueous / Other _____

Program (circle): Superfund / RCRA / WPD (NPDES) / SDWA / Other: OSWER

The signature below indicates the following:

- This data meets the needs of the customer according to the request.
- The analysis was performed as per the SOP, or exceptions documented.
- All documentation needed to recreate the analyses has been reviewed.
- Data Review status set to Peer Reviewed in Element.

Peer Reviewer signature Arielle DeJong Date accepted 2-22-12

If any data for this case is stored with another case file, give Site Name and WO# _____

Peer Reviewer Completes Section Below:

General:

Raw data is identified with sample IDs, site name, WO#, analyst name, date of analysis.

YES	NO	N/A	Comments
✓	—	—	_____

Quality Control:

The case file must explain why this is a non-routine request

✓

This is a special request which falls outside our routine protocols. Therefore, these samples were analyzed and the quality control (QC) were evaluated based on the "On Demand" criteria. These protocols include all the QC checks as per routine analyses plus special verification of the performance of the analytical method at the reported quantitation limit/s. These protocols are specified in the EPA Region III OASQA Laboratory Quality Manual, current version.

A written procedure or reference must be available for the method being performed and referenced in the narrative. If the method to be performed is unique, the procedures must be fully documented.

✓

Calibration of the instrumentation or analytical procedure must be according to the method or procedure. CC

✓ CC for Trig+DiG
out of spec 80-120
Trig(74%) DiG(76%)

Calibration verified by analysis of second source standard (SCV,SRM), if available.

Concentration must be in the range of the calibration. Results must be within the method, procedure, client or in-house limits.

✓

Analysis of one method blank (BLK) with each batch. Ideally, the results should be less than the expected quantitation levels set by the method, procedure, or in-house requirements.

✓

Analysis of one matrix spike (MS) with each batch. For samples or parameters which do not lend themselves to matrix spiking, aBS or SRM sample must be analyzed. Results of spikes must be within the method, procedure, client or in-house limits.

✓

Analysis of one duplicate analyses (DUP) or a quality control sample such as an SRM or BS with each batch. If duplicate analyses is not possible, e.g., insufficient sample quantity, a quality control sample must be analyzed in duplicate, if available. Results of duplicate analyses must be within the method, procedure, client or in-house limits.

At least one blank spike (BS) must be carried through the entire method and analyzed with each batch. The concentration of the BS should be at the quantitation level or at the level of the expected sample results, if known. Results of the BS must be within the method, procedure, client or in-house limits.

low recovery for
Z-ME (44%)
TetraG (68%)
Tue G (40%)

Any additional quality control items, such as surrogates, internal standards, etc., which the referenced method or procedure requires, should be analyzed. Results must be within the method or procedure limits.

The analyst must document the impact on the usability of the reported data by applying qualifier codes if applicable and including a summary in the case file.

Calculations/Report:

Calculations and transcriptions checked.

Element Draft Report reviewed.

Deviations and problems documented.

Additional Comments by Peer Reviewer:

-Sample 1202004-28 has mystery peak in Z-ME run ~2.2 (FYI) no correction needed

Analyst Ensures that the Data Case File is Complete and Accurate as per SOP R3QA-066:

- Bench sheet or Work Order list
 Sample Prep logs
 Instrument run log
 Standard/Reagent Prep log w/1201013

- w/1201013
 Appropriate TV sheets / Certificates of Analysis
 Element Peer Review report
 Raw data
 Data status set to analyzed

Additional Comments by Analyst on data issues:

Tune data, std sheets, instrument methods are in 1st data package for Dimack w/1201013
This is the of several runs for Dimack Batch BB21303

Glycol WO 1202004 – Dimock

Peer Reviewer: Stevie Wilding

Part1

22-Feb-12

Samples 1202004-21,22,23,24,25,26,27,28,29,30,31,32 -- BB21303

	Primary	M (B)	b (A)	ug/L	
SCV (aq)	71700	6.58E+02	4.65E+03	101.86	
CCV 50	37903	6.58E+02	4.65E+03	50.52	101%
BB21303-BS (100)	75028	6.58E+02	4.65E+03	106.91	
BB21303MS	75645	6.58E+02	4.65E+03	107.85	
BB21303MSD	78017	6.58E+02	4.65E+03	111.45	
BS (10)	7573	6.58E+02	4.65E+03	4.44	44%

	Primary	M (B)	b (A)	ug/L	
SCV (aq) 1200011	100191	4.81E+02	2.12E+03	203.71	
SCV (aq) 1100499	53069	4.81E+02	2.12E+03	105.83	
CCV 50ppb	27793	4.81E+02	2.12E+03	53.33	107%
BB21303-BS (100)	58465	4.81E+02	2.12E+03	117.04	
BB21303MS	49811	4.81E+02	2.12E+03	99.06	
BB21303MSD	50856	4.81E+02	2.12E+03	101.23	
BS (25)	12770	4.81E+02	2.12E+03	22.12	88%

	Primary	M (B)	b (A)	ug/L	
SCV (aq) 1200011	2961468	2.31E+04	3.79E+05	111.56	
SCV (aq) 1100499	2945102	2.31E+04	3.79E+05	110.85	
CCV 50ppb	1452817	2.31E+04	3.79E+05	46.38	93%
BB21303-BS (100)	2813486	2.31E+04	3.79E+05	105.17	
BB21303MS	2692740	2.31E+04	3.79E+05	99.95	
BB21303MSD	2716159	2.31E+04	3.79E+05	100.96	
BS (25)	772231	2.31E+04	3.79E+05	16.98	68%
BS (5) (just curious)	187596	2.31E+04	3.79E+05	-8.27	

	Primary	M (B)	b (A)	ug/L	
SCV (aq) 1200011	832701	6.63E+03	1.74E+05	99.34	
SCV (aq) 1100499	804436	6.63E+03	1.74E+05	95.08	
CCV 50ppb	419574	6.63E+03	1.74E+05	37.03	
BB21303-BS (100)	850763	6.63E+03	1.74E+05	102.07	
BB21303MS	810141	6.63E+03	1.74E+05	95.94	
BB21303MSD	747167	6.63E+03	1.74E+05	86.44	
BS (25)	240782	6.63E+03	1.74E+05	10.06	40%

	Primary	M (B)	b (A)	ug/L	
SCV (aq) 1200011	7415	6.96E+01	6.60E+02	96.99	
SCV (aq) 1100499	6056	6.96E+01	6.60E+02	77.48	
CCV 50ppb	3324	6.96E+01	6.60E+02	38.25	
BB21303-BS (100)	7121	6.96E+01	6.60E+02	92.77	
BB21303MS	7382	6.96E+01	6.60E+02	96.52	
BB21303MSD	6937	6.96E+01	6.60E+02	90.13	
BS (25)	2572	6.96E+01	6.60E+02	27.45	110%

DIM0207810

DIM0207812

DIM0207810

DIM0207813

On Demand Analysis: Glycols by HPLC/MS/MS

Case file notes for Dimock Residential Groundwater, WO 1201013, WO 1201015, WO

1202001, WO 1202003, WO 1202004, WO 1202005

Submitted by Jennifer L. Gundersen, OASQA Chemist

Samples were analyzed for diethylene glycol (DiG) (CAS# 111-46-6), triethylene glycol (TriG) (112-27-6), tetraethylene glycol (TeG) (112-60-7), 2-butoxyethanol (2-Bu) (111-76-2) and 2-methoxyethanol (2-Me)(109-86-4) by HPLC/MS/MS (inst id: TQD-LCMSMS) on a Waters Atlantis dC18 3um 2.1 x 150mm column (s/n- 0141301481).

See the case file for complete instrument method information. Optima grade methanol and acetonitrile and 98-100% formic acid (bar codes: 5288, 11068, and 5278) were used. House deionized water was boiled before use. 2-Methoxyethanol was analyzed in a separate run from the other 4 target analytes.

An OASQA SOP for this method is in preparation. SOP R3QA239, Glycol Analysis by HPLC/MS/MS, is based on ASTM Method D7731-11, EPA SW-846 Method 8000C and EPA SW-846 Method 8321. These methods were followed for method development and QA/QC limits, where applicable. All applicable OASQA On Demand QA/QC protocols were followed.

The aqueous samples were injected, without extraction, directly onto the HPLC/MS/MS system. An appropriate surrogate has not been identified.

QC notes:

The method is under development, therefore, applicable QC limits for percent recoveries and RPDs are unknown. The default limits listed in SW-846 Method 8000C (80-120% for blank spikes (BS/LCS), continuing calibrations (CCV) and second source calibration verification (SCV) and 70-130% for matrix spikes and RPD of 25) were used. Values will be evaluated with future results to develop appropriate QC criteria.

Integration information:

In the Empower data report, manual integrations are indicated by lower case letters in the "int type" column. Baseline integration is indicated by a "b" and valleys are indicated by a "v". Upper case letter indicate processing according to the processing method parameters. The OASQA manual integration checklist is included in the case file when manual integrations were performed.

MS tuning and calibration:

Exact mass calibration is done annually with the instrument's yearly preventive maintenance procedures. Mass calibration was successfully performed according to manufacturer's direction with NaCsI on 9/9/2011. The mass calibration summary report is included in the case file.

The system was tuned with authentic individual standards of each compound according to manufacturer's directions using the Waters Empower "Intellistart" tune/method development program in the MRM (multiple reaction monitoring) ESI+ (electrospray

positive) mode. Tune data are included in the case file. Target masses, transitions and voltages determined in each compound's tune were compiled into appropriate instrument method sets. Only one MS tune file (which determines gas flow rates and source and desolvation temperatures) may be used during a sample set run. For these analytes, the "tetraethylene glycol" tune was used for 2-Bu, DiG, TriG and TeG as it provided the best response for those targets. A separate run for 2-Me used the parameters defined by the "2 methoxy comb test" tune.

A second MRM mass transition was monitored for confirmation of each target where possible. Only one MRM was used for 2-Me. The response of the confirmation MRM was generally much lower than that of the primary MRM. While calibration curves were generated as part of the data processing and concentrations were calculated, the confirmations MRMs had much higher quantitation limits and less robust correlations than the primary MRM and were not used for reporting concentration, only for verification where possible. Method 8000C 11.10.4 recommends that if the concentration calculated for the confirmation MRM exhibits a +/- 40% relative percent difference from the primary MRM, the concentration should be considered estimated and the presence of the target suspect. The confirmation MRM is not applicable below 200ppb for the 3 glycols. The MRM confirmation for 2-Bu was calibrated to 10ppb.

Chromatographic method:

One instrument method set was used for 2-Bu, DiG, TriG and TeG and a separate method set was used for 2-Me. The mobile phase consisted of water, acetonitrile and formic acid. See the instrument method reports for chromatographic conditions.

Initial and continuing calibration:

For 2-Bu, DiG, TriG and TeG:

Because the analytes exhibit variable responses, a wide range of initial calibration standard concentrations were prepared. Initial calibration standards from an UltraScientific custom standard mix for 2-Bu, DiG, TriG and TeG were prepared at 500, 400, 300, 200, 100, 50, 25, 10 and 5ug/L (ppb). Where no response or known background interference for a target was evident, the concentration was removed from the processing method. Method 8000C cites a QC limit of $r^2 \geq 0.99$ for initial calibration curves. All primary MRMs met this criterion except for DiG in WO 1202003 which was 0.9855. No target analytes were detected in this Work Order and no impact on data is expected.

In some sample sets, a high standard was eliminated from the IC curve due to non-linearity. This is noted in the individual case file. No target analytes were detected in any samples and no impact on data is expected.

The second source calibration verification (SCV) standard was prepared from a custom mix supplied by AccuStandard. Comparison of the new SCV (std #1200011) used in this sample set to a previous SCV (#1100499) indicated that the concentration of 2-Bu was incorrect in standard #1200011. Comparison data run after the sample set is included in

the case file. Standard 1100499 expired on 1/14/12 but was used along with 1200011 in subsequent sample sets pending further information from the manufacturer. The LB QM allows for an expired standard to be used if verified by an unexpired standard.

"Calibration standards and solutions are only used when they are within their expiration dates unless their reliability has been verified by the acceptable analysis of a fresh, within manufacturer expiration date, second source calibration verification." (Section 10.5.1.5.1, current revision)

Initial calibration standards for 2-Me were prepared from a neat standard from Accustandard. The second source verification was prepared from a neat standard from UltraScientific. A density of 0.966 kg/L as reported in the Merck Index (12th ed, 1996) was used to calculate concentrations.

Unless noted in the case file, calibration ranges for both sets of analyses are as follows:

diethylene glycol:	25 - 500 ppb	(200-500ppb for the confirmation MRM)
triethylene glycol:	25 - 500 ppb	(200-500ppb for the confirmation MRM)
tetraethylene glycol:	25 - 500 ppb	(200-500ppb for the confirmation MRM)
2-butoxyethanol:	5 - 500 ppb	(10-500ppb for the confirmation MRM)
2-methoxyethanol:	10 – 500,	no confirmation MRM

In some sample sets, 2-Bu was only calibrated to 10ppb due to poor response at 5ppb. NQLs were adjusted for affected samples in the Element report.

The Nominal Quantitation Limit (NQL)/Reporting Limit is the low standard concentration of the primary MRM.

See case file for continuing calibration (CCV) and SCV results. Outliers based on Method 8000C QC criteria have been flagged and are discussed below.

Because no extraction is performed with this method, CCV samples were also used as blank spike (BS) samples. According to OASQA On Demand procedures, a blank spike should be prepared at the NQL. Due to the varying NQLs, several low level BS's were analyzed in conjunction with mid-level CCV/BS samples. See the spreadsheet in the case file or chromatogram for results. Outliers are noted with each sample set. Mid-level BS results are reported in the Element reports. Some low level BS/CCV recoveries were outside Method 8000C's suggested limits. QC criteria have not been established for low level BS/CCVs. Some recent EPA methods, such as SW-846 Method 6850 (Perchlorate by HPLC/MS/MS) cite a QC limit of +/- 50% of the true value for low level CCVs, with more stringent limits for mid-level CCV samples. Recoveries will be tracked to determine appropriate limits. Results were qualified according to the OASQA Lab Quality Manual.

Matrix Spikes:

The matrix spike for sample 1201013-03 was prepared incorrectly for the first sample batch. The matrix spike was reprepared and reanalyzed in the next sample batch. The reprepared results are reported in Element. Results for both preparations are included in the case file.

Method and instrument blanks:

Instrument blank (LCB, also referred to as IBL in the Region 3 OASQA Laboratory Quality Manual) and Method Blank (BLK) samples were analyzed concurrently since there was no extraction and both consisted of DI H₂O.

Results:

Only target analyte peak information is reported on chromatograms.

Sample/Batch specific QC:

For BA22502, the following criteria were outside QC limits:

CCV: DiG- 123% (limit 80-120%)
TriG-127% (limit 80-120%)

Batch BA22502 includes samples 1201013-01, -03, -05, -07, and -09.

No targets were detected in this batch and no results were qualified based on the outliers.

For BA22902, the following criteria were outside QC limits:

BS: For 2-Me, A mid level BS was not analyzed, so the low BS was used as the sample set BS, there are no criteria for the low BS, but the result was outside of limits for a mid level BS sample.

Batch BA22902 includes samples 1201013-12 through -36, and 1202015-01 through -05
No targets were detected in this batch and no results were qualified based on the outliers.
A midlevel BS was analyzed in subsequent sample batches.

For Batch BB21303, the following criteria were outside QC limits:

SCV: DiG- 77% (limit 80-120%)
CCV: DiG- 77% (limit 80-120%)
TriG-74% (limit 80-120%)

No targets were detected in this batch and no results were qualified based on the outliers.
Batch BB21303 includes samples from 1202004-21, -22, -23, -24, -25, 26, -27, -28, -29, -30, -31, and -32.

For Batch BB21004, the following criteria were outside QC limits:

SCV: TetG- 121% (limit 80-120%)
Initial calibration: The r² of DiG was 0.9855. (limit r² ≥ 0.99)

No targets were detected in this batch and no results were qualified based on the outliers.
Batch BB21004 includes samples: 1202003- 32, -33, -34, -35, -36, -37, -38, -39 and
1202004-01, -03, -06, -08, -11, -13, -15, and -17.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mamaroneck Avenue
Fort Meade, Maryland 20755-5350



DRAFT

Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:

This report contains results for Metals and Glycols analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202004-05, -10, -12, -18 and 1202004-45 thru -49 are not included in this report since these samples were designated for Volatile Organic analysis only.

For Work Order 1202004 - This is Report 1 of 3.

The sample vial for the Glycols analysis was received broken for 1202004-22. All samples were received at proper temperature

Some samples designated for the analysis of Orthophosphorous were received at the laboratory past the established holding times. Therefore, all samples were analyzed using the Total Phosphate method and results for the analysis by the Orthophosphorous method are not included in this report. Since the Orthophosphorous method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Metals Analysis Note:

Uranium, strontium, lithium, tin and titanium were analyzed as an on-demand analysis.

Glycols by HPLC/MS/MS Note:

Samples were analyzed for diethylene glycol (DiG) (CAS# 111-46-6), triethylene glycol (TriG) (112-27-6), tetraethylene glycol (TeG) (112-60-7), 2-butoxyethanol (2-Bu) (111-76-2) and 2-methoxyethanol (109-86-4) by HPLC/MS/MS (inst id: TQD-LCMSMS) on a Waters Atlantis dC18 3um 2.1 x 150mm column (s/n- 0141301481). See the case file for complete instrument method information.

An HPLC/MS/MS method does not currently exist for these analytes. ASTM D 7731-11 and EPA SW-846 Methods 8000C and 8321 were followed for method development and QA/QC limits where applicable. All applicable OASQA On Demand QA/QC protocols were followed.

The aqueous samples were injected without extraction onto the HPLC/MS/MS system

Refer to notes in the case file for additional information regarding the analysis

REPORT 1 of 3

1202004 DRAFT 02 20 12 1500
Page 1 of 16



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW48	1202004-01	Drinking Water	02/08/12 16:06	02/10/12 11:20
HW48z	1202004-03	Drinking Water	02/08/12 16:06	02/10/12 11:20
HW21	1202004-06	Drinking Water	02/09/12 10:53	02/10/12 11:20
HW21z	1202004-08	Drinking Water	02/09/12 10:53	02/10/12 11:20
HW23-P	1202004-11	Drinking Water	02/08/12 15:39	02/10/12 11:20
HW22	1202004-13	Drinking Water	02/09/12 10:42	02/10/12 11:20
HW23	1202004-15	Drinking Water	02/08/12 15:42	02/10/12 11:20
HW22-P	1202004-17	Drinking Water	02/09/12 10:50	02/10/12 11:20
HW36n	1202004-21	Drinking Water	02/10/12 10:53	02/11/12 10:04
HW49	1202004-22	Drinking Water	02/09/12 14:11	02/11/12 10:04
HW16-P	1202004-23	Drinking Water	02/10/12 11:37	02/11/12 10:04
HW54-P	1202004-24	Drinking Water	02/10/12 14:30	02/11/12 10:04
FB14	1202004-25	Water	02/09/12 13:36	02/11/12 10:04
HW16z	1202004-26	Drinking Water	02/10/12 11:22	02/11/12 10:04
HW16	1202004-27	Drinking Water	02/10/12 11:21	02/11/12 10:04
HW44	1202004-28	Drinking Water	02/09/12 14:49	02/11/12 10:04
HW49-P	1202004-29	Drinking Water	02/09/12 14:26	02/11/12 10:04
HW36n-P	1202004-30	Drinking Water	02/10/12 11:02	02/11/12 10:04
FB15	1202004-31	Water	02/10/12 11:21	02/11/12 10:04
HW54	1202004-32	Drinking Water	02/10/12 14:08	02/11/12 10:04



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-01							
Station ID:	HW48							
Sample Matrix:	Drinking Water							
Collected:	02/08/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 04:48	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 04:48	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 14:25	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 04:48	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/10/12	02/11/12 04:48	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-03							
Station ID:	HW48z							
Sample Matrix:	Drinking Water							
Collected:	02/08/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 05:08	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 05:08	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 14:30	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 05:08	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/10/12	02/11/12 05:08	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20765-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-06							
Station ID:	HW21							
Sample Matrix:	Drinking Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 05:29	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 05:29	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 14:36	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 05:29	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 05:29	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-08							
Station ID:	HW21z							
Sample Matrix:	Drinking Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 05:50	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 05:50	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 14:41	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 05:50	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 05:50	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
DRAFT
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-11							
Station ID:	HW23-P							
Sample Matrix:	Drinking Water							
Collected:	02/08/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 06:10	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 06:10	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 14:47	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 06:10	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/10/12	02/11/12 06:10	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-13							
Station ID:	HW22							
Sample Matrix:	Drinking Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 06:31	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 06:31	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 14:53	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 06:31	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/10/12	02/11/12 06:31	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-15							
Station ID:	HW23							
Sample Matrix:	Drinking Water							
Collected:	02/08/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 06:51	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 06:51	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 14:58	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 06:51	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 06:51	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-17							
Station ID:	HW22-P							
Sample Matrix:	Drinking Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/10/12	02/11/12 07:12	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	02/10/12	02/11/12 07:12	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/10/12	02/10/12 15:04	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 07:12	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/10/12	02/11/12 07:12	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-21							
Station ID:	HW36n							
Sample Matrix:	Drinking Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 00:26	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 00:26	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 11:41	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 00:26	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/13/12	02/15/12 00:26	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-22							
Station ID:	HW49							
Sample Matrix:	Drinking Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 00:46	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 00:46	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 11:46	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 00:46	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/13/12	02/15/12 00:46	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-23							
Station ID:	HW16-P							
Sample Matrix:	Drinking Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 01:07	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:07	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 11:52	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:07	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:07	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-24							
Station ID:	HW54-P							
Sample Matrix:	Drinking Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 01:27	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:27	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 11:57	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:27	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:27	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-25							
Station ID:	FB14							
Sample Matrix:	Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 01:48	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:48	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 12:03	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:48	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 01:48	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-26							
Station ID:	HW16z							
Sample Matrix:	Drinking Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 02:08	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:08	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 12:08	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:08	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:08	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-27							
Station ID:	HW16							
Sample Matrix:	Drinking Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 02:29	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:29	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 12:14	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:29	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:29	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-28							
Station ID:	HW44							
Sample Matrix:	Drinking Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 02:49	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:49	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 12:19	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:49	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 02:49	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
DRAFT
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-29							
Station ID:	HW49-P							
Sample Matrix:	Drinking Water							
Collected:	02/09/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 03:10	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 03:10	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 12:25	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 03:10	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/13/12	02/15/12 03:10	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-30							
Station ID:	HW36n-P							
Sample Matrix:	Drinking Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 03:30	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 03:30	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 12:30	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 03:30	SW846 8321/ASTM D773-11 Modified
Triethylene Gycol	U		25.0	ug/L	1	02/13/12	02/15/12 03:30	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-31							
Station ID:	FB15							
Sample Matrix:	Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 04:32	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 04:32	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 13:52	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 04:32	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 04:32	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202004-32							
Station ID:	HW54							
Sample Matrix:	Drinking Water							
Collected:	02/10/2012							
2-Butoxyethanol	U		5.0	ug/L	1	02/13/12	02/15/12 04:52	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 04:52	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	02/13/12	02/14/12 13:58	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 04:52	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	02/13/12	02/15/12 04:52	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
HPLC Identification

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch BB21004 - LC/MS prep

Blank (BB21004-BLK1)				Prepared: 02/10/12 10:00	Analyzed: 02/11/12 12:21
2-Butoxyethanol	U	5.0	ug/L		
Diethylene Glycol	U	50.0	"		
2-Methoxyethanol	U	10.0	"		
Tetraethylene Glycol	U	25.0	"		
Triethylene Glycol	U	25.0	"		

LCS (BB21004-BS1)				Prepared: 02/10/12 10:00	Analyzed: 02/11/12 04:07
2-Butoxyethanol	107	5.0	ug/L	100.00	107 80-120
Diethylene Glycol	99.8	50.0	"	100.00	100 80-120
2-Methoxyethanol	U	10.0	"		80-120
Tetraethylene Glycol	116	25.0	"	100.00	116 80-120
Triethylene Glycol	114	25.0	"	100.00	114 80-120

LCS (BB21004-BS2)				Prepared: 02/10/12 10:00	Analyzed: 02/10/12 15:15
2-Butoxyethanol	U	5.0	ug/L		80-120
Diethylene Glycol	U	50.0	"		80-120
2-Methoxyethanol	56.4	10.0	"	48.300	117 80-120
Tetraethylene Glycol	U	25.0	"		80-120
Triethylene Glycol	U	25.0	"		80-120

Batch BB21303 - LC/MS prep

Blank (BB21303-BLK1)				Prepared: 02/13/12 09:00	Analyzed: 02/15/12 00:05
2-Butoxyethanol	U	5.0	ug/L		
Diethylene Glycol	U	50.0	"		
2-Methoxyethanol	U	10.0	"		
Tetraethylene Glycol	U	25.0	"		
Triethylene Glycol	U	25.0	"		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
HPLC Identification

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch BB21303 - LC/MS prep

<u>LCS (BB21303-BS1)</u>		Prepared: 02/13/12 09:00			Analyzed: 02/15/12 03:51		
2-Butoxyethanol	117 ✓	5.0	ug/L	100.00		117	80-120
Diethylene Glycol	92.8 ✓	50.0	"	100.00		93	80-120
2-Methoxyethanol	U ✓	10.0	"				80-120
Tetraethylene Glycol	105 ✓	25.0	"	100.00		105	80-120
Triethylene Glycol	102 ✓	25.0	"	100.00		102	80-120

<u>LCS (BB21303-BS2)</u>		Prepared: 02/13/12 09:00			Analyzed: 02/14/12 14:15		
2-Butoxyethanol	U ✓	5.0	ug/L				80-120
Diethylene Glycol	U ✓	50.0	"				80-120
2-Methoxyethanol	107 ✓	10.0	"	96.600		111	80-120
Tetraethylene Glycol	U ✓	25.0	"				80-120
Triethylene Glycol	U ✓	25.0	"				80-120

<u>Matrix Spike (BB21303-MS1)</u>		Source: 1202004-21			Prepared: 02/13/12 09:00			Analyzed: 02/15/12 05:13		
2-Butoxyethanol	99.1 ✓	5.0	ug/L	100.00	0.0	99	70-130			
Diethylene Glycol	96.5 ✓	50.0	"	100.00	0.0	97	70-130			
2-Methoxyethanol	108 ✓	10.0	"	96.600	0.0	112	70-130			
Tetraethylene Glycol	100 ✓	25.0	"	100.00	0.0	100	70-130			
Triethylene Glycol	95.9 ✓	25.0	"	100.00	0.0	96	70-130			

<u>Matrix Spike Dup (BB21303-MSD1)</u>		Source: 1202004-21			Prepared: 02/13/12 09:00			Analyzed: 02/15/12 05:33		
2-Butoxyethanol	101 ✓	5.0	ug/L	100.00	0.0	101	70-130	2	25	
Diethylene Glycol	90.1 ✓	50.0	"	100.00	0.0	90	70-130	7	25	
2-Methoxyethanol	111 ✓	10.0	"	96.600	0.0	115	70-130	3	25	
Tetraethylene Glycol	101 ✓	25.0	"	100.00	0.0	101	70-130	1	25	
Triethylene Glycol	86.4 ✓	25.0	"	100.00	0.0	86	70-130	10	25	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
DRAFT
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Notes and Definitions

%REC Percent Recovery

RPD Relative Percent Difference

U Analyte included in the analysis, but not detected at or above the quantitation limit.

Quantitation Limit: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

REPORTING PROTOCOL FOR SOLID SAMPLE RESULTS: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
	Glycol by HPLC/MS/MS	(Water)	Result calculations based on MDL
	Glycol by HPLC/MS/MS	(Water)	Special Units: (ug/L)
1202003-32	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-01	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-03	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-06	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-08	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-11	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-13	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-15	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-17	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-21	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-22	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-23	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-24	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-25	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-26	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-27	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-28	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-29	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-30	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-31	Glycol by HPLC/MS/MS		Status is Analyzed
1202004-32	Glycol by HPLC/MS/MS		Status is Analyzed
BB21004-BS1	Glycol by HPLC/MS/MS	2-Methoxyethanol	No spike level
BB21004-BS2	Glycol by HPLC/MS/MS	2-Butoxyethanol	No spike level
BB21004-BS2	Glycol by HPLC/MS/MS	Diethylene Glycol	No spike level
BB21004-BS2	Glycol by HPLC/MS/MS	Tetraethylene Glycol	No spike level
BB21004-BS2	Glycol by HPLC/MS/MS	Triethylene Glycol	No spike level
BB21303-BS1	Glycol by HPLC/MS/MS	2-Methoxyethanol	No spike level
BB21303-BS2	Glycol by HPLC/MS/MS	2-Butoxyethanol	No spike level
BB21303-BS2	Glycol by HPLC/MS/MS	Diethylene Glycol	No spike level
BB21303-BS2	Glycol by HPLC/MS/MS	Tetraethylene Glycol	No spike level
BB21303-BS2	Glycol by HPLC/MS/MS	Triethylene Glycol	No spike level

Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

Calibration Data

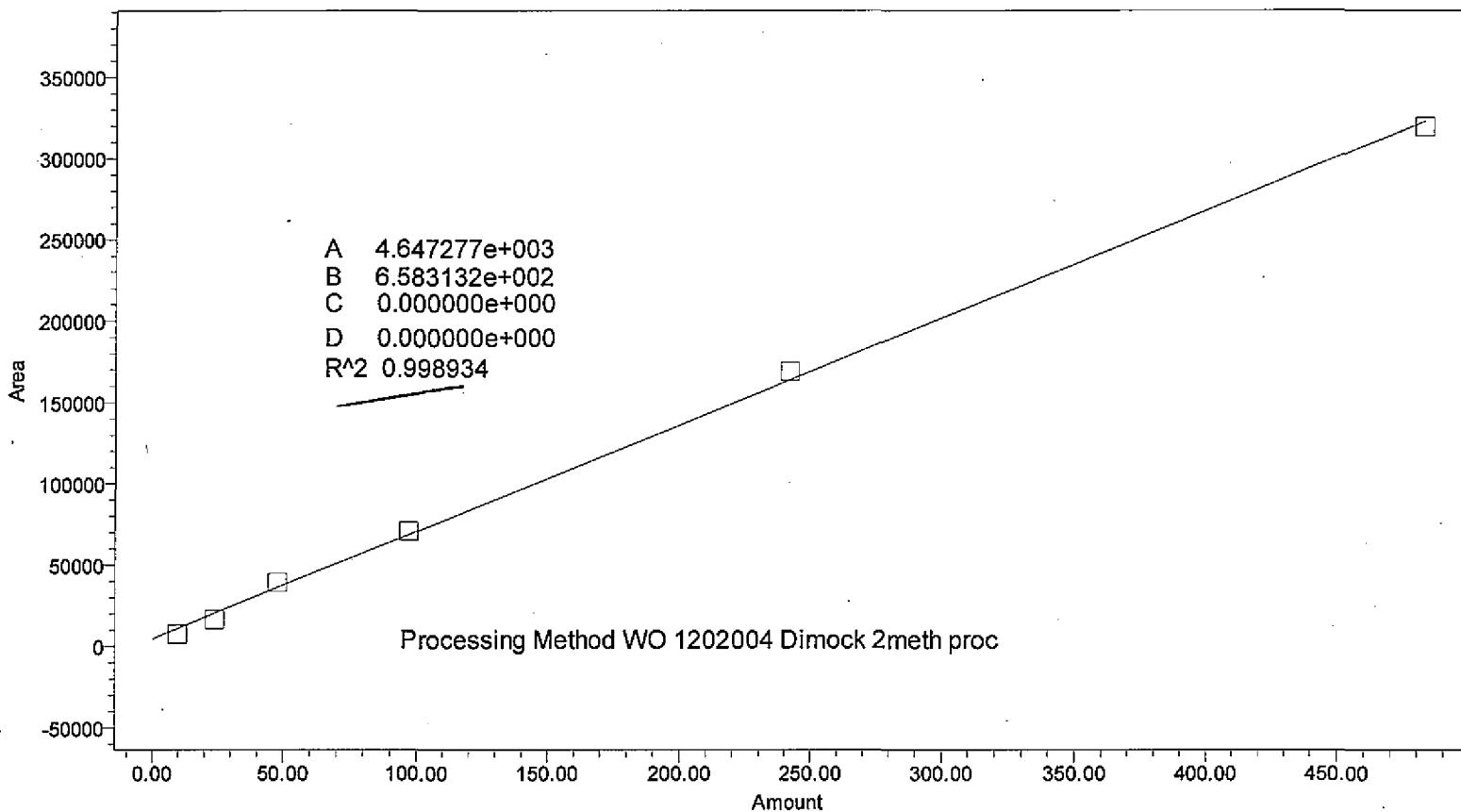
BB 21303

2-MQ

Processing Method: WO 1202004 Dimock 2meth proc
 Processing Method ID: 2625
 Channel: TQ 2: MRM Ch1
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/17/2012 5:57:51 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2638

Calibration Plot



Peak: methoxyethanol mrm

	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	methoxyethanol mrm	6	9.7	7525.6	4.4	-54.9	No	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8
2	methoxyethanol mrm	5	24.0	16598.4	18.2	-24.4	No	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8
3	methoxyethanol mrm	4	48.0	39264.0	52.6	9.5	No	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8
4	methoxyethanol mrm	3	97.0	70736.4	100.4	3.5	No	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8
5	methoxyethanol mrm	2	242.0	169153.7	249.9	3.3	No	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8
6	methoxyethanol mrm	1	483.0	319523.2	478.3	-1.0	No	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8

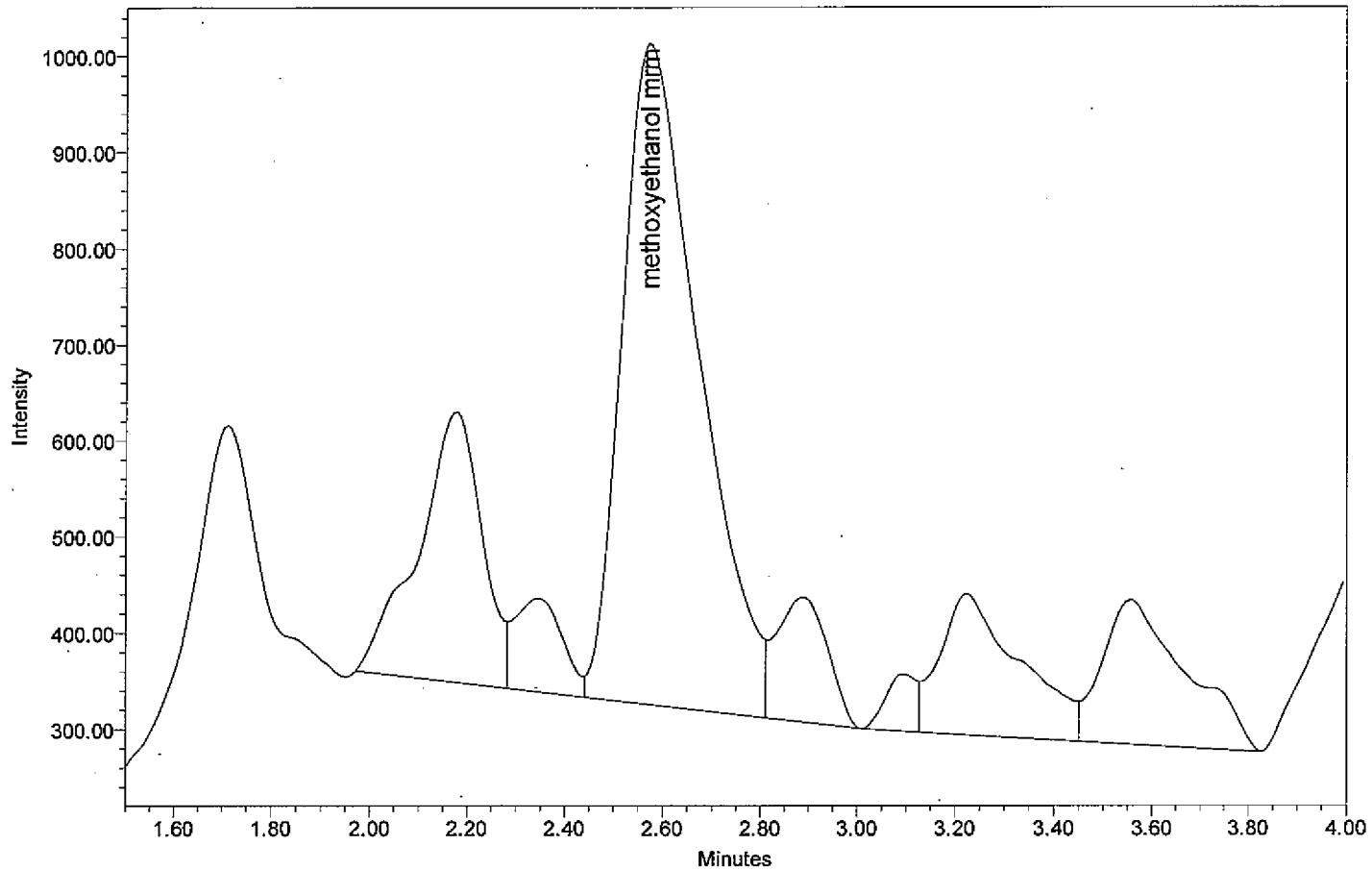
Peak: methoxyethanol mrm

	Date Acquired
1	2/14/2012 11:24:27 AM EST
2	2/14/2012 11:18:53 AM EST
3	2/14/2012 11:13:20 AM EST
4	2/14/2012 11:07:48 AM EST
5	2/14/2012 11:02:14 AM EST
6	2/14/2012 10:56:42 AM EST

2/17/12

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2; MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mmr	2.573	1200069 2me 10ppb accu	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	7526	687	9.7	VV

g 11/17/12

extr date

coll_date

analyst ilg

Ini Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 11:24:27 AM EST

Vial 2:7

Instrument Meth- methoxethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

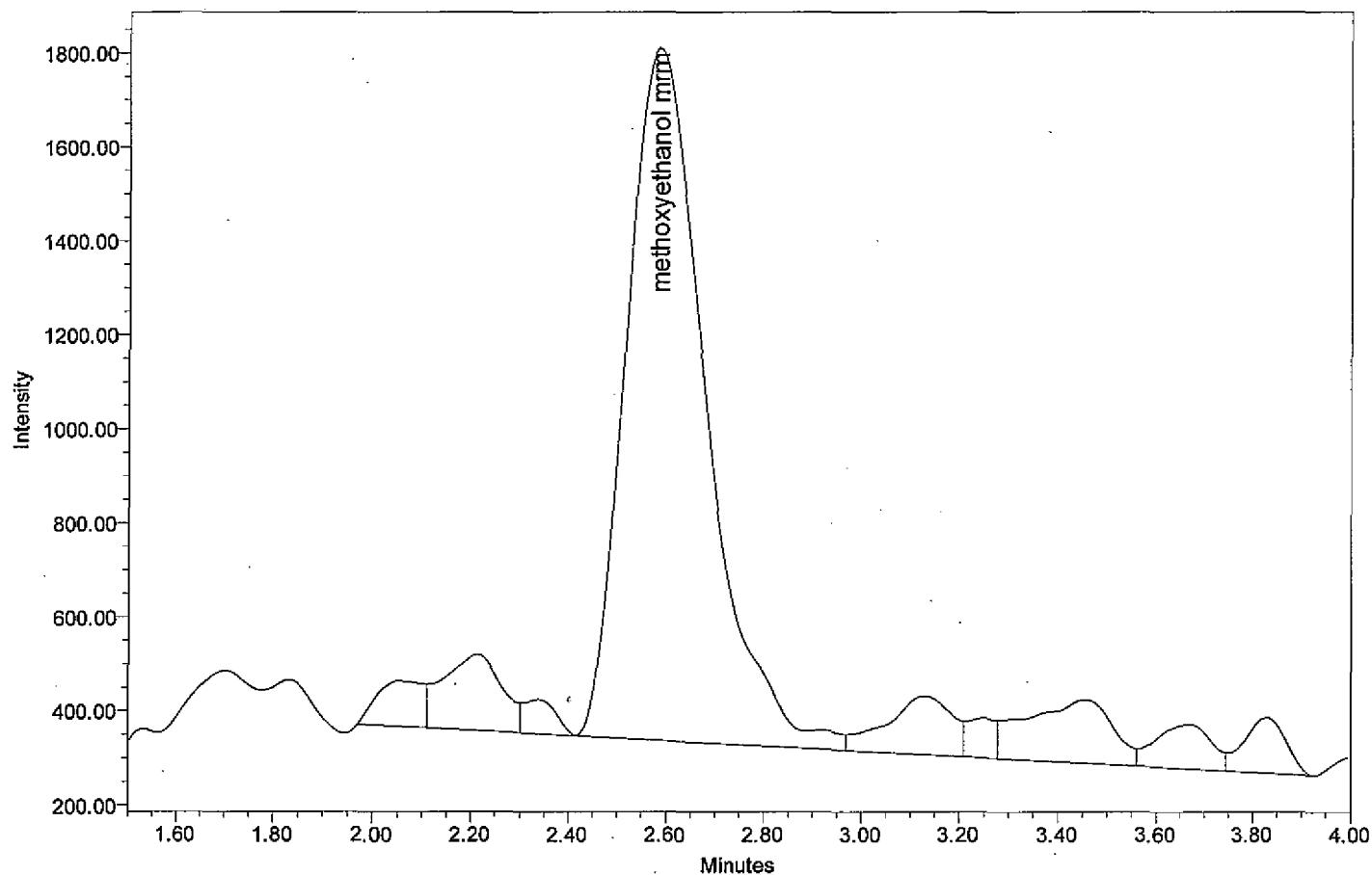
Page: 1 of 1

SampleName 1200069 2me 10ppb accu

Sample Set Name WO_1202004_Dimock_2me run 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

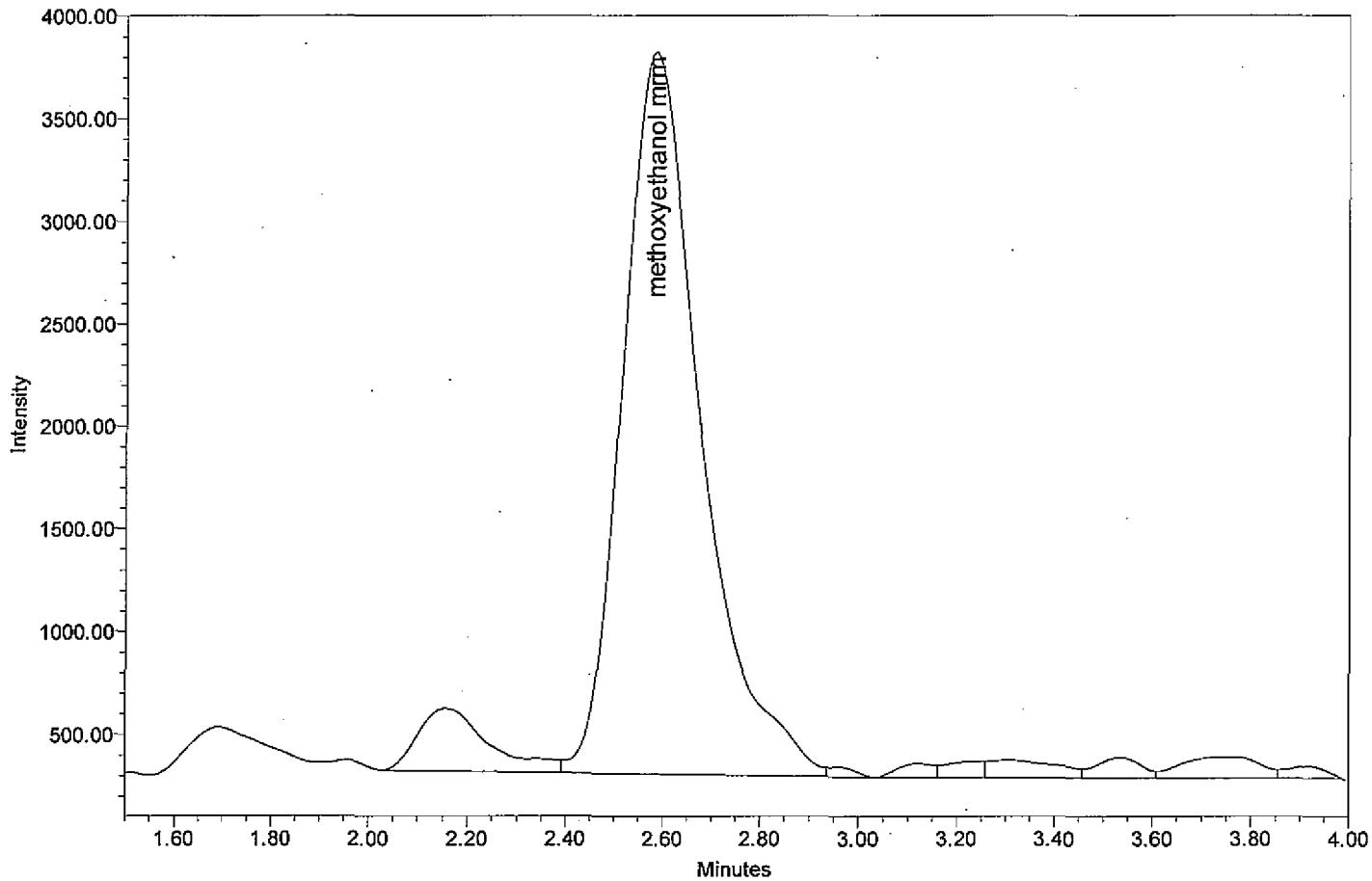
	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mrm	2.586	1200068 2me 25ppb accu	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	16598	1472	24.0	VV

g 7/17/12

extr_date coll_date analyst jlg Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM Date Acquired 2/14/2012 11:18:53 AM EST Vial 2:6
Instrument Meth- methoxyethanol MRM Processing Meth WO 1202004 Dimock 2meth proc
Page: 1 of 1 SampleName 1200068 2me 25ppb accu Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

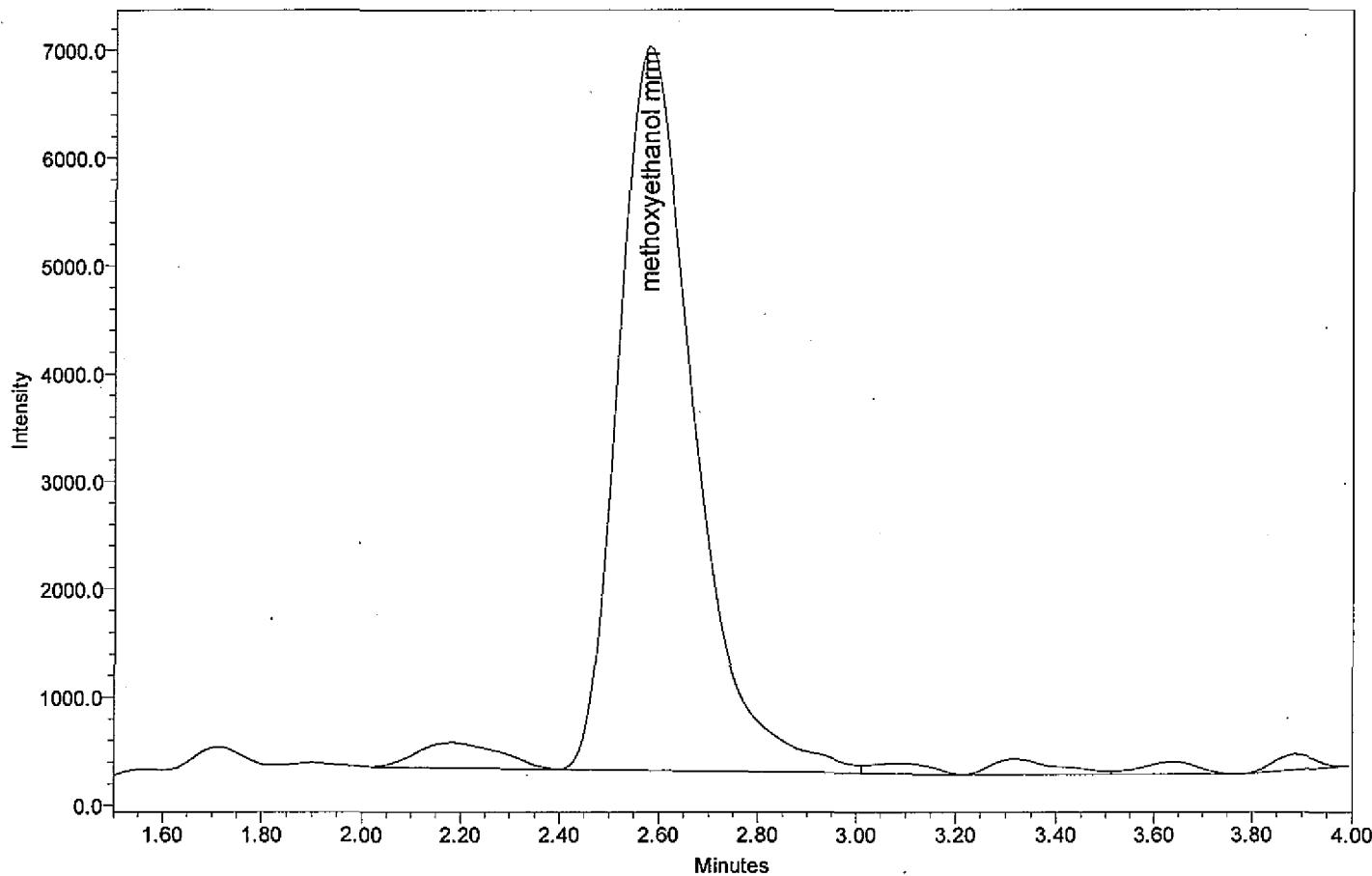
	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mrm	2.584	1200067 2me 50ppb accu	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	39264	3517	48.0	VV

2/17/11

extr_date coll_date analyst jlg Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM Date Acquired 2/14/2012 11:13:20 AM EST Vial 2:5
Instrument Meth- methoxyethanol MRM Processing Meth WO 1202004 Dimock 2meth proc
SampleName 1200067 2me 50ppb accu Sample Set Name WO 1202004 Dimock 2me run 1
Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mrm	2.579	1200066 2me 100ppb accu	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	70736	6709	97.0	VV

g 2/17/12

extr_date

Acq Method Set methoxyethanol MRM

Instrument Meth- methoxyethanol MRM

coll_date

Date Acquired 2/14/2012 11:07:48 AM EST

analyst jlg

Inj Vol 30.00 uL

Vial 2:4

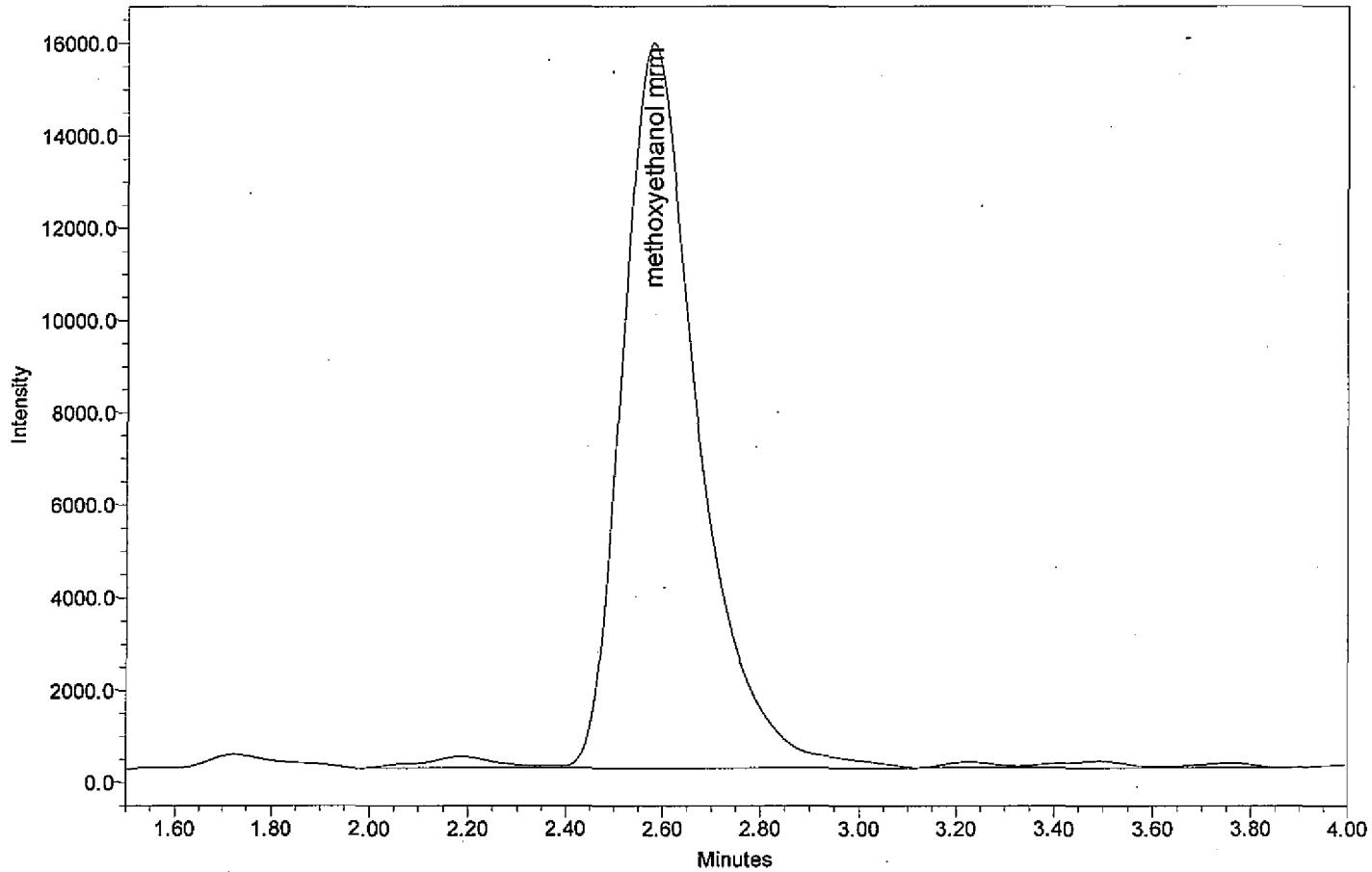
Processing Meth WO 1202004 Dimock 2meth proc

SampleName 1200066 2me 100ppb accu

Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

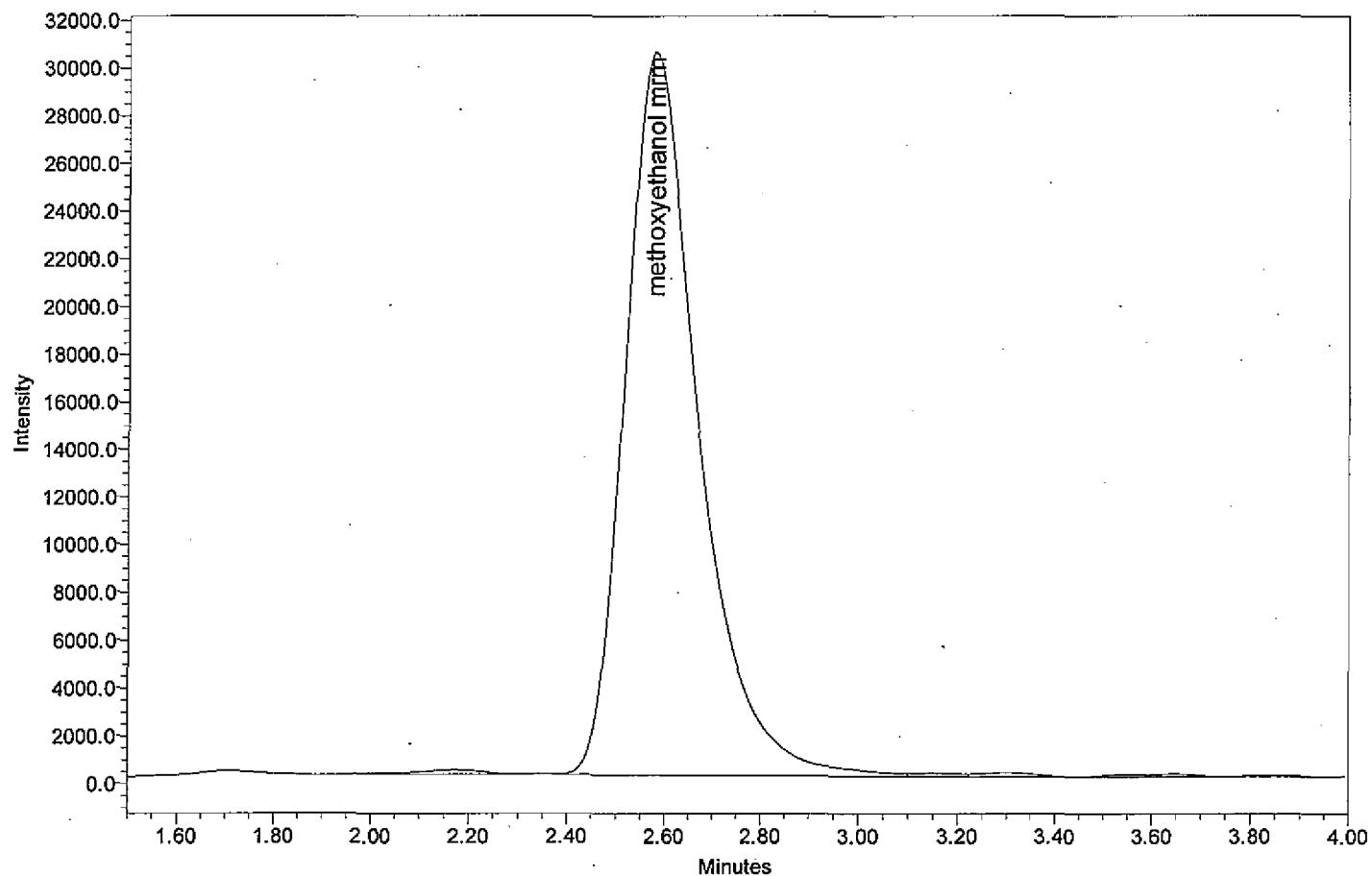
	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mm	2.578	1200065 2me 250ppb accu	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	169154	15690	242.0	VV

42/2/2

extr_date coll_date analyst jlg Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM Date Acquired 2/14/2012 11:02:14 AM EST Vial 2:3
Instrument Meth- methoxyethanol MRM Processing Meth WO 1202004 Dimock 2meth proc
SampleName 1200065 2me 250ppb accu Sample Set Name WO 1202004 Dimock 2me run 1
age: 1 of 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mrm	2.580	1200064 2me 500ppb accu	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	319523	30318	483.0	VV

g 2/17/12

extr_date

coll_date

analyst jlg

Inj Vol 30.00 μ L

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 10:56:42 AM EST

Vial 2:2

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

SampleName 1200064 2me 500ppb accu

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

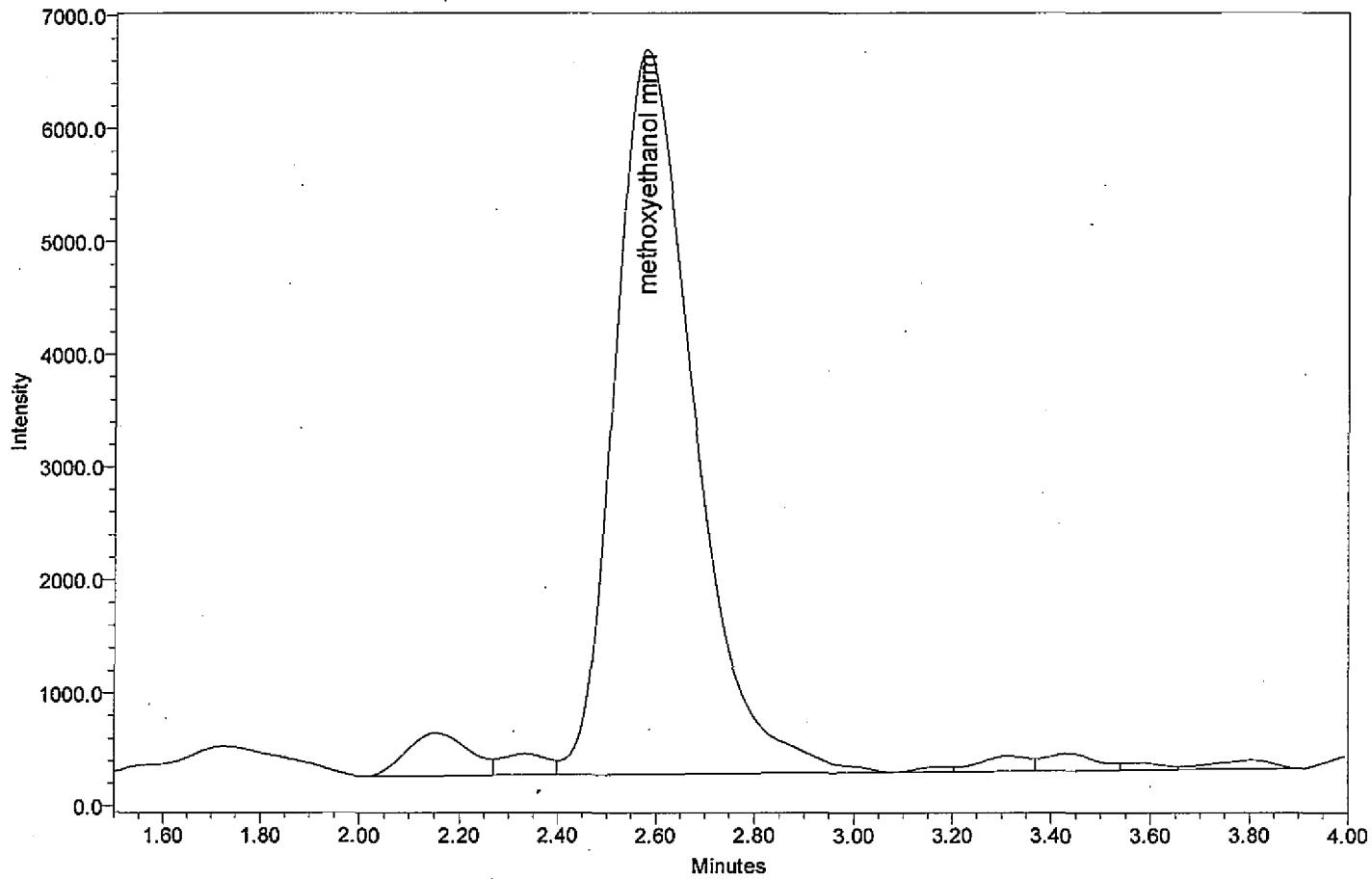
Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

Quality Control Data

BB 21 303
2 Me

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

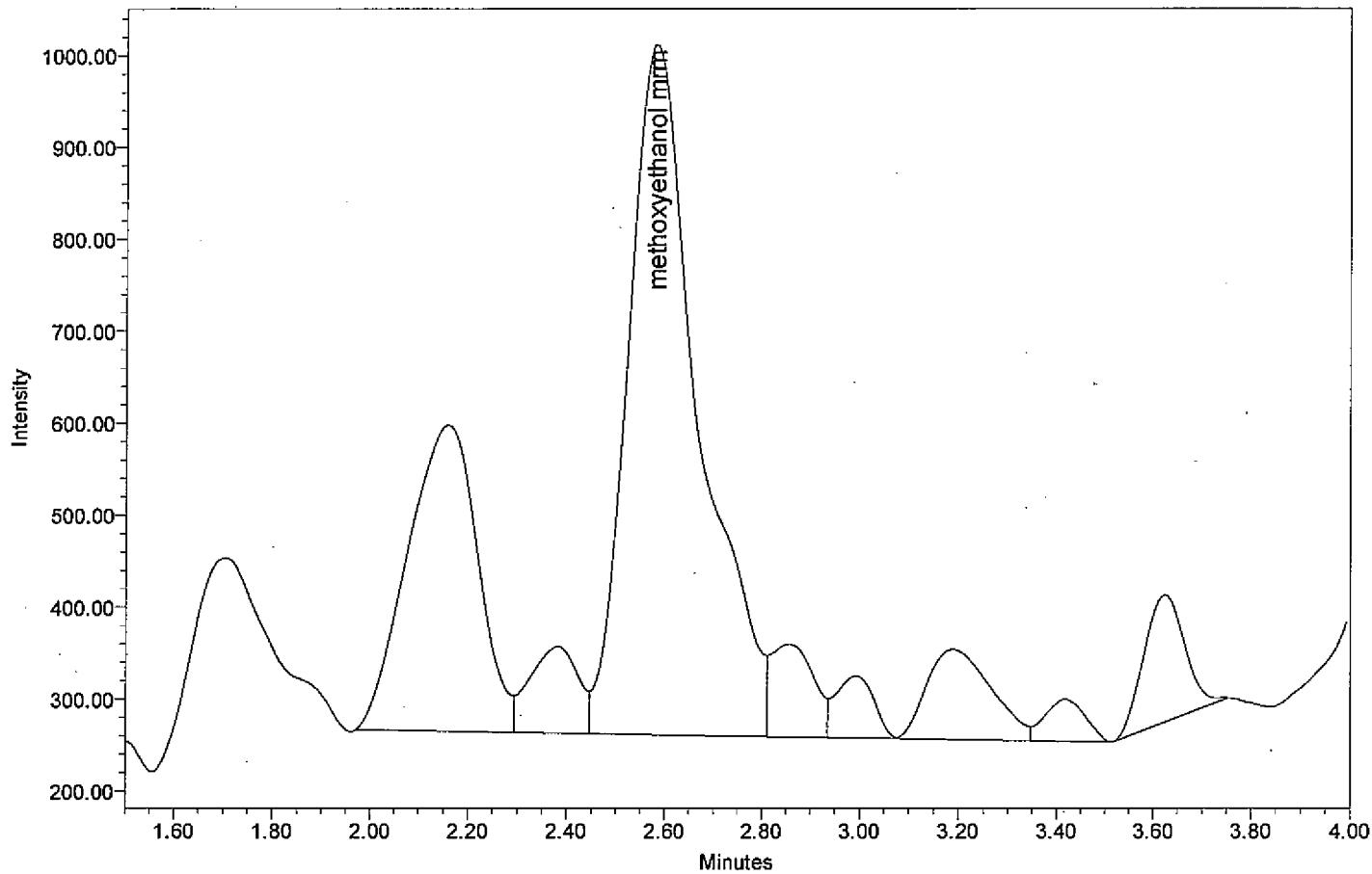
	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1.	methoxyethanol mmm	2.579	SCV 1200038 2me 100ppb ult	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	71700	6421	101.9	VB

by 2/17/12

extr_date coll_date analyst jlg inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM Date Acquired 2/14/2012 11:30:00 AM EST Vial 2:8
Instrument Meth- methoxyethanol MRM Processing Meth WO 1202004 Dimock 2meth proc
SampleName SCV 1200038 2me 100ppb ult Sample Set Name WO 1202004 Dimock 2me run 1
Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2; MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb
1	methoxyethanol mmm	2.582	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	7573	751	4.4

Name:
methoxyethanol
mrm

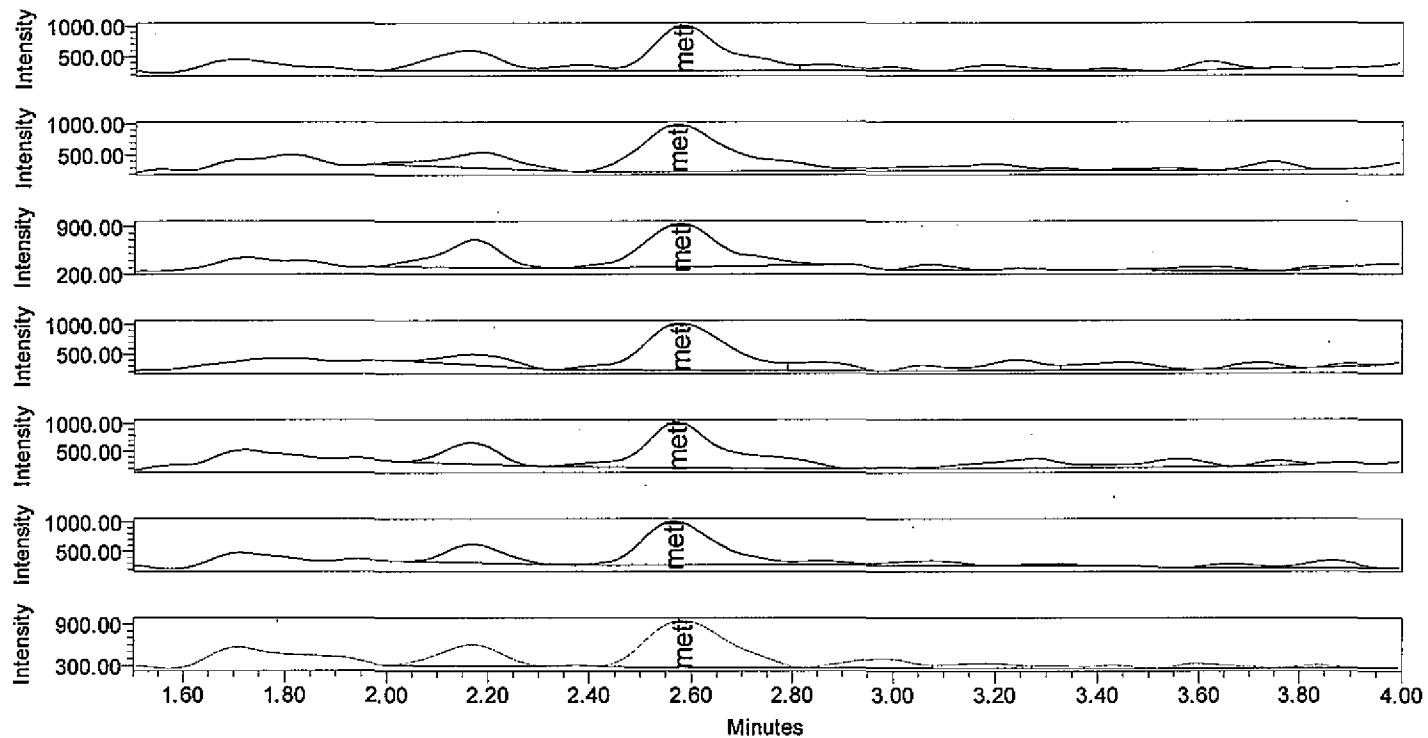
	Int Type
1	VV

[Handwritten signature]

extr_date coll_date analyst jlg Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM Date Acquired 2/14/2012 12:36:24 PM EST Vial 2.7
Instrument Meth- methoxyethanol MRM Processing Meth WO 1202004 Dimock 2meth proc
Page: 1 of 1 SampleName ccv 1200069 2me10ppb ac lowBSMDL Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



- Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb
1	methoxyethanol mmm	2.582	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	7573	751	4.4
2	methoxyethanol mmm	2.571	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	9393	754	7.2
3	methoxyethanol mmm	2.579	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	6926	634	3.5
4	methoxyethanol mmm	2.578	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	9196	799	6.9
5	methoxyethanol mmm	2.572	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	9284	803	7.0
6	methoxyethanol mrm	2.567	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	7571	739	4.4
7	methoxyethanol mmm	2.584	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	7542	670	4.4

Name: methoxyethanol mrm

	Int Type		Int Type		Int Type
1	VV		4	BV	
2	BV		5	BB	
3	BB		6	BV	

only needed
one injection - use ini!

extr_date

coll_date

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 12:36:24 PM EST,

Vial 2:7

Instrument Meth- methoxyethanol MRM

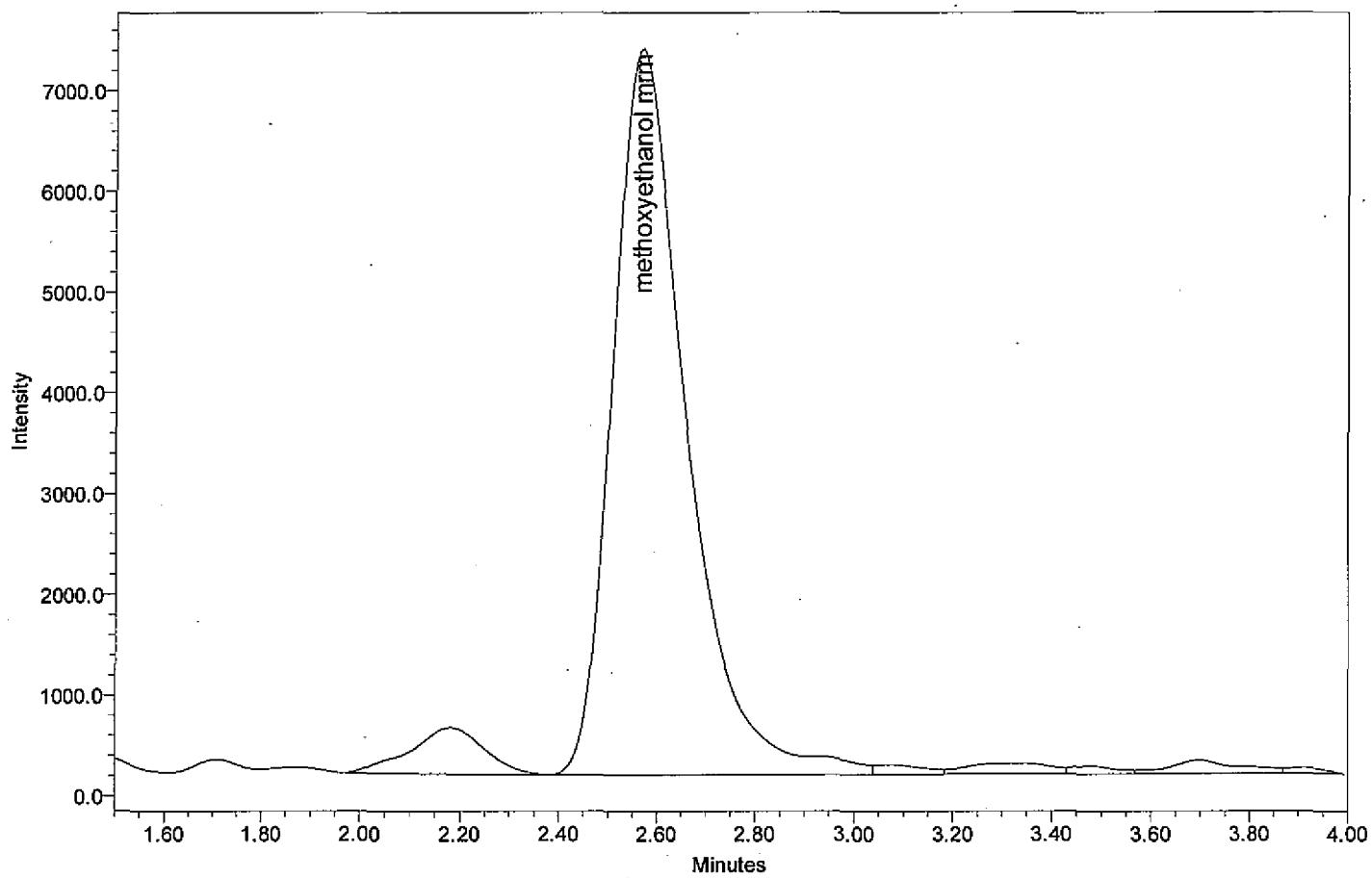
Processing Meth WO 1202004 Dimock 2meth proc

SampleName ccv 1200069 2me10ppb ac lowBSMDL

Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mrm	2.569	1202004-21MS BB21303-MS1	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	75645	7208	107.8	BV

✓✓✓✓✓✓✓✓

extr_date 02142012

coll_date 02102012

analyst jlg Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 2:04:05 PM EST

Vial 2:40

Instrument Meth- methoxyethanol MRM

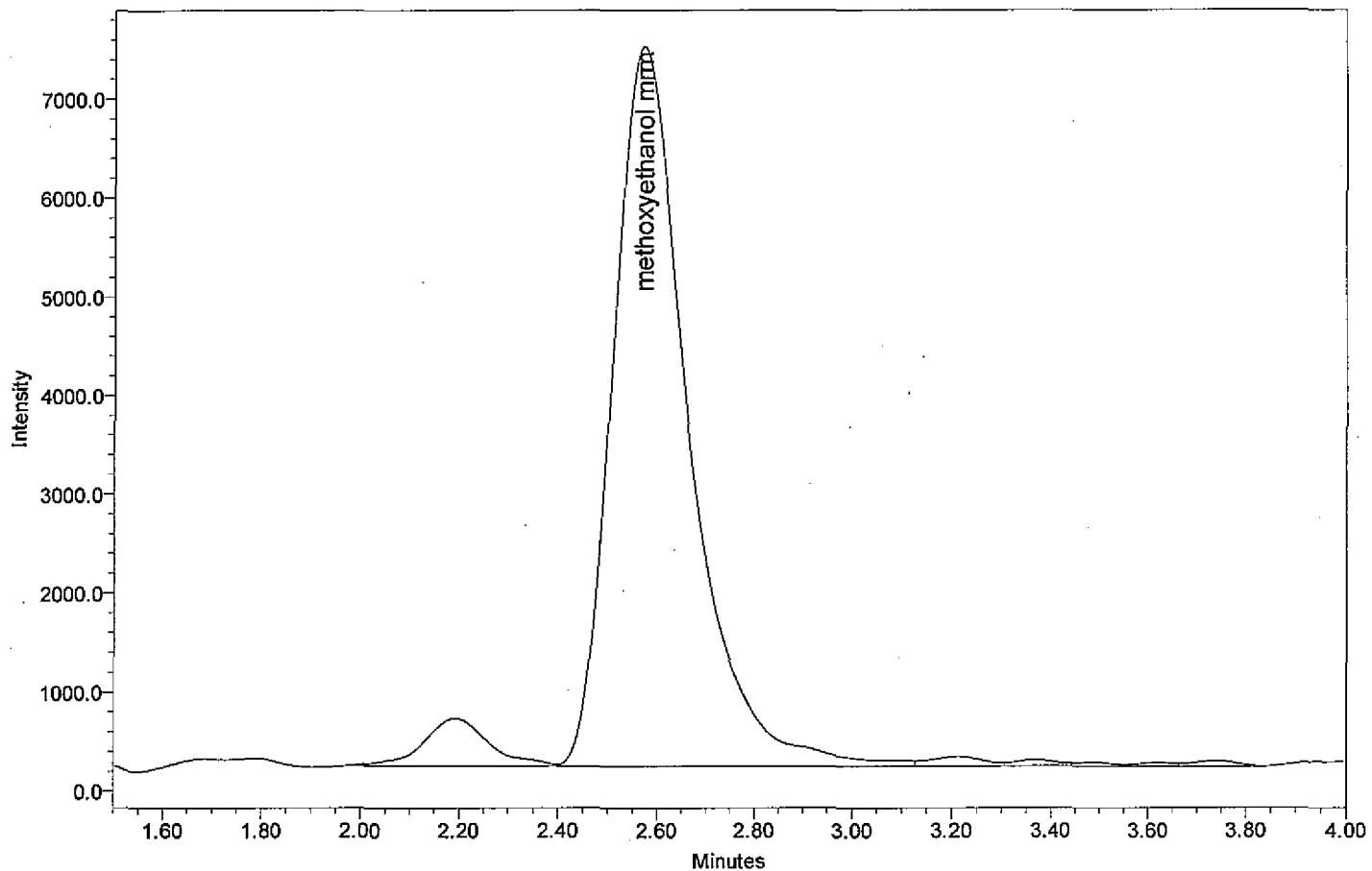
Processing Meth WO 1202004 Dimock 2meth proc

SampleName 1202004-21MS BB21303-MS1

Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb
1	methoxyethanol mrm	2.573	1202004-21MSD BB21303-MSD1	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	78017	7283	111.5

Name:
methoxyethanol
mrm

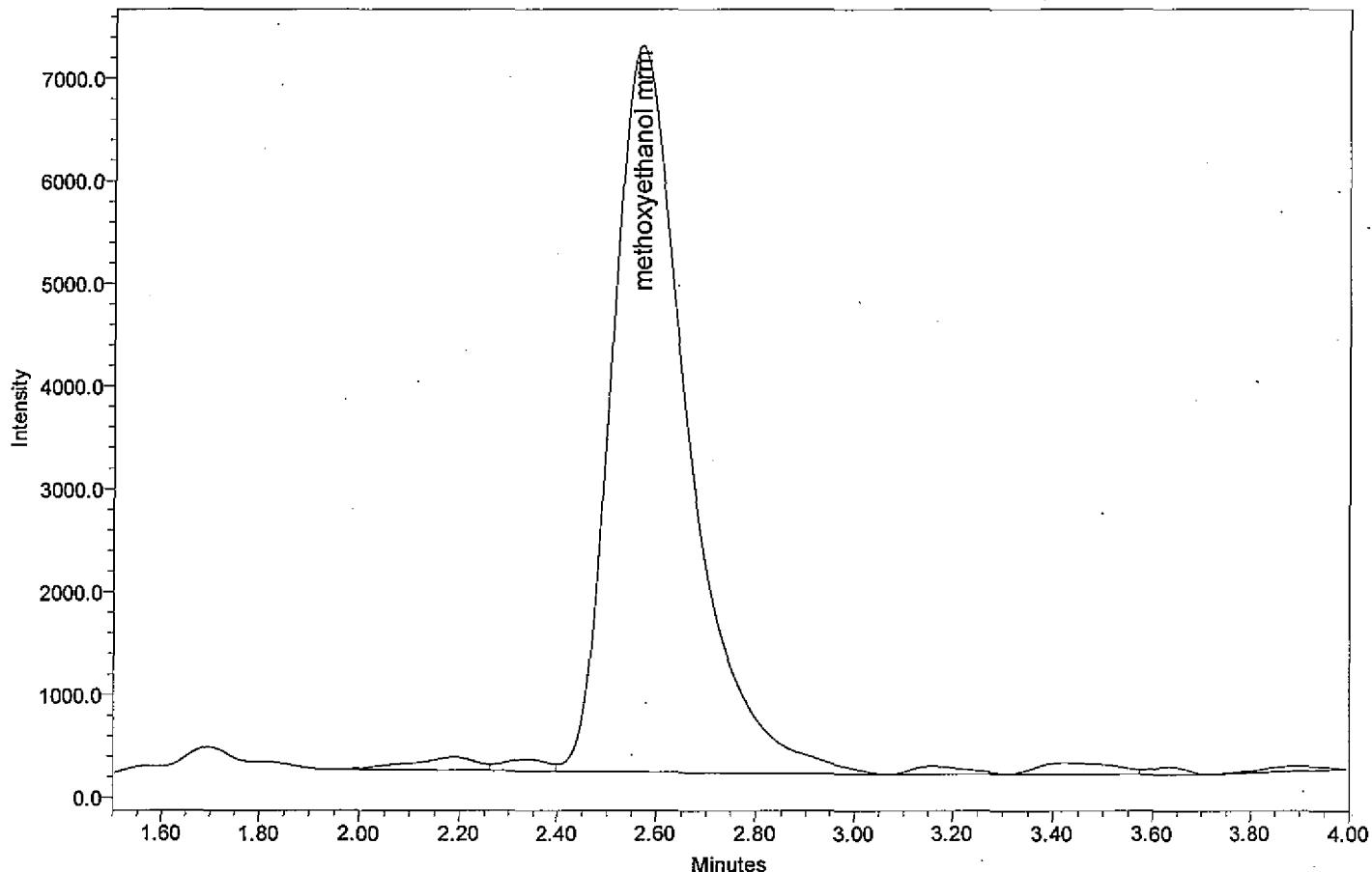
	Int Type
1	VV

y = 2 |x|^{1/2}

extr_date 02142012 coll_date 02102012 analyst jlg Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM Date Acquired 2/14/2012 2:09:35 PM EST Vial 2:41
Instrument Meth- methoxyethanol MRM Processing Meth WO 1202004 Dimock 2meth proc
Page: 1 of 1 SampleName 1202004-21MSD BB21303-MSD1 Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb
1	methoxyethanol mrm	2.569	1200066 2me 100ppb BB21303bs2	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	75028	7069	106.9

Name:
methoxyethanol
mrm

	Int Type
1	VB

2/17/12

extr_date

Acq Method Set methoxyethanol MRM

Instrument Meth- methoxyethanol MRM

SampleName 1200066 2me 100ppb BB21303bs2

coll_date

Date Acquired 2/14/2012 2:15:08 PM EST

Processing Meth WO 1202004 Dimock 2meth proc

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

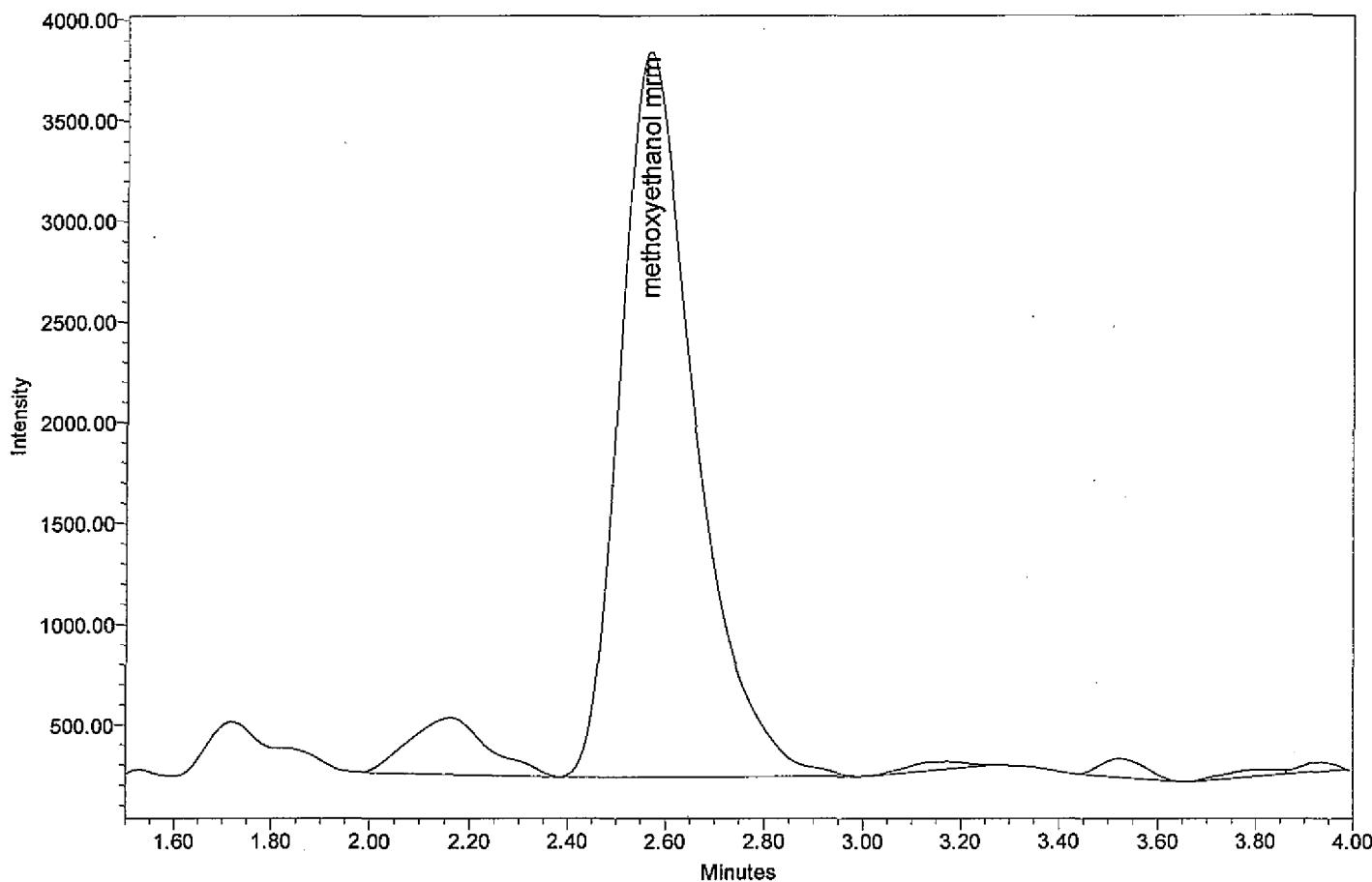
analyst jlg

Inj Vol 30.00 uL

Vial 2:4

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

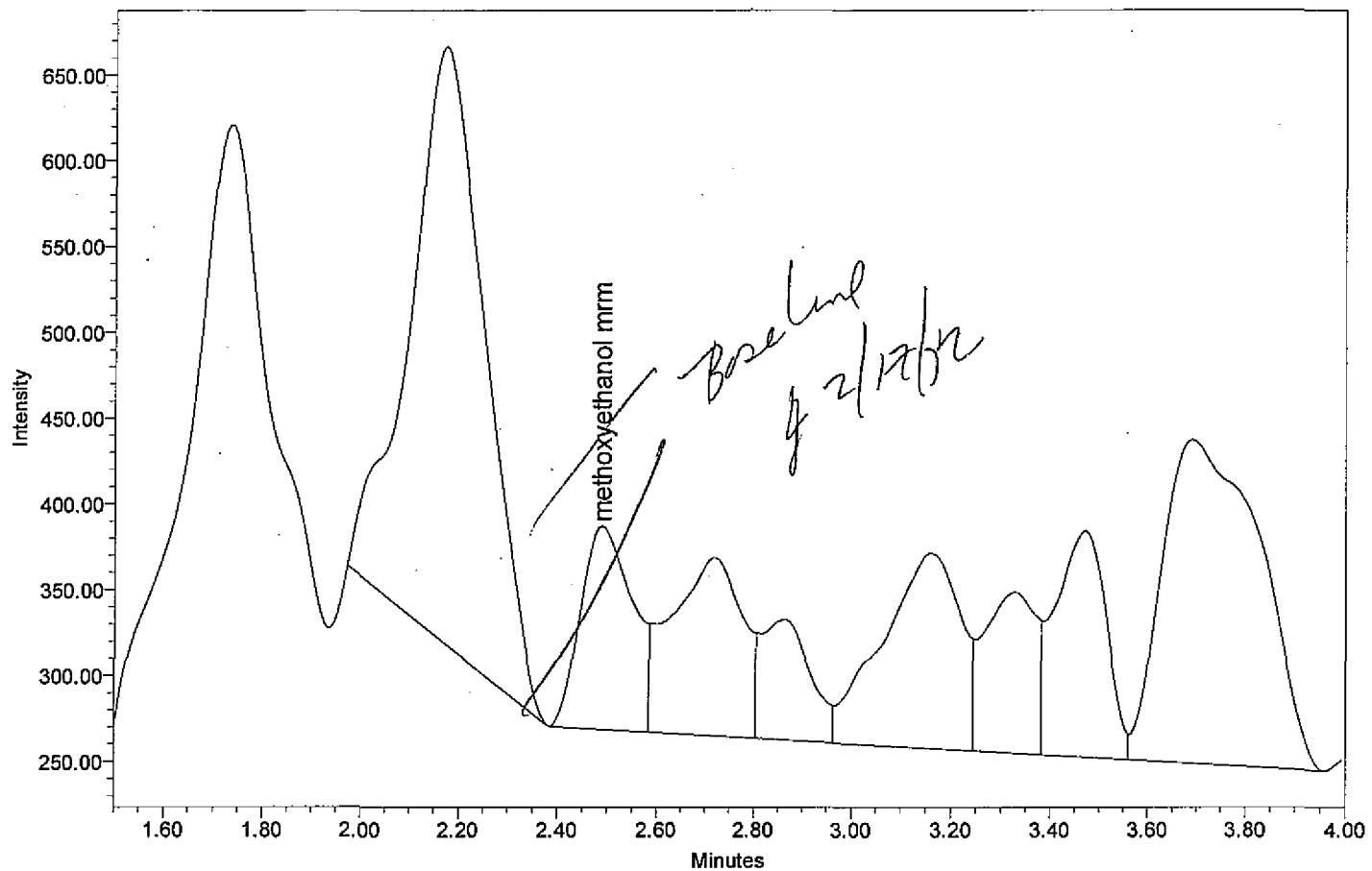
	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	methoxyethanol mrm	2.568	1200067 2me 50ppb accu CCV	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	37903	3598	50.5	BB

2/14/12
jlg

extr_date coll_date analyst:jlg Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM Date Acquired 2/14/2012 2:26:11 PM EST Vial 2:5
Instrument Meth- methoxyethanol MRM Processing Meth WO 1202004 Dimock 2meth proc
Page: 1 of 1 SampleName 1200067 2me 50ppb accu CCV Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.489	LCB 1	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	854	119	BV

extr_date

Acq Method Set methoxyethanol MRM

Instrument Meth- methoxyethanol MRM

SampleName LCB 1

Page: 1 of 1

coll_date

Date Acquired 2/14/2012 10:51:11 AM EST

Processing Meth WO 1202004 Dimock 2meth proc

Sample Set Name WO 1202004 Dimock 2me run 1

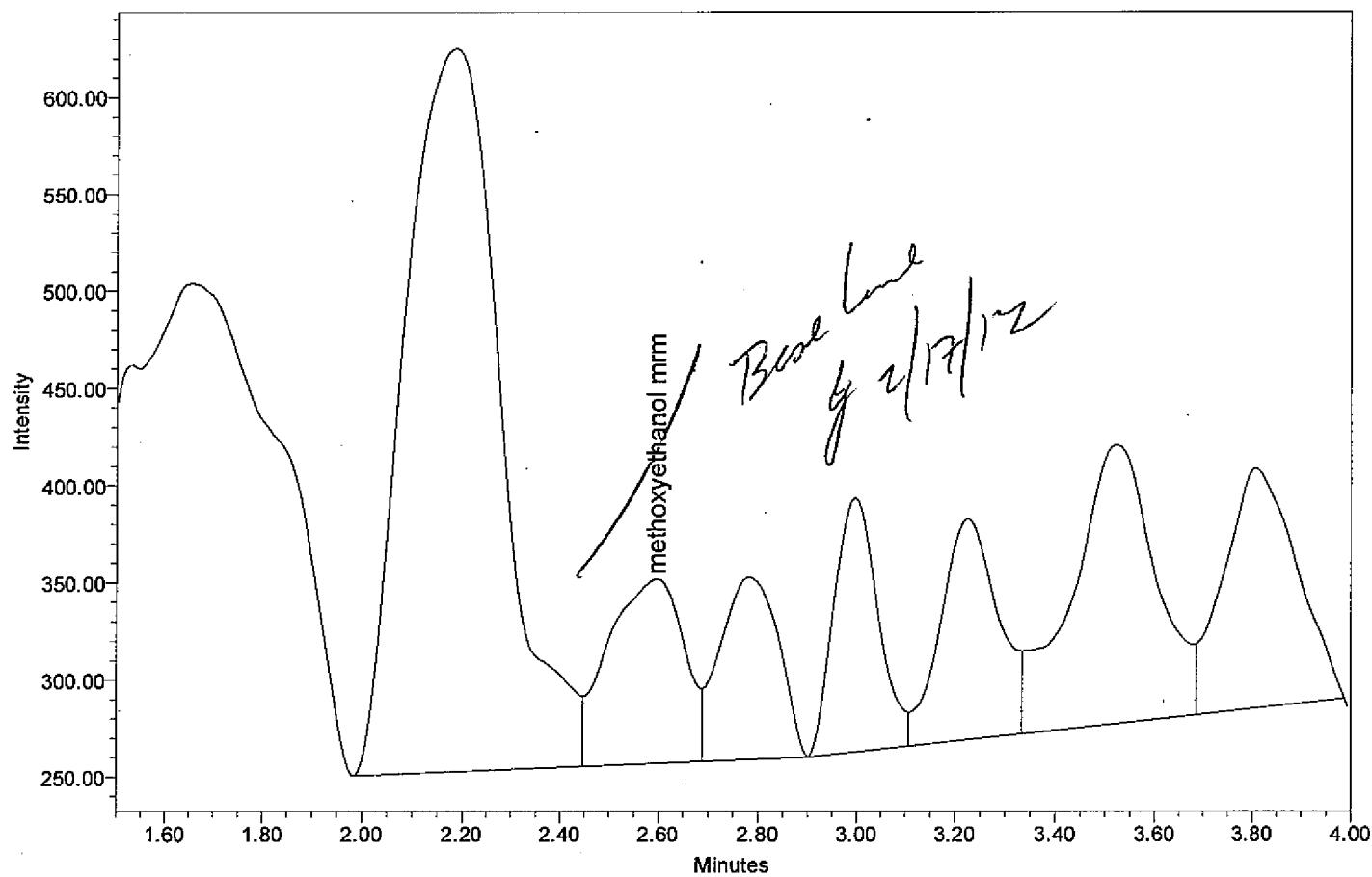
analyst jlg

Inj Vol 30.00 uL

Vial 2:1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.596	LCB 2 - BB21303 BLK1	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	1008	95	VV

extr_date

coll_date

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 11:35:29 AM EST

Vial 2.9

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

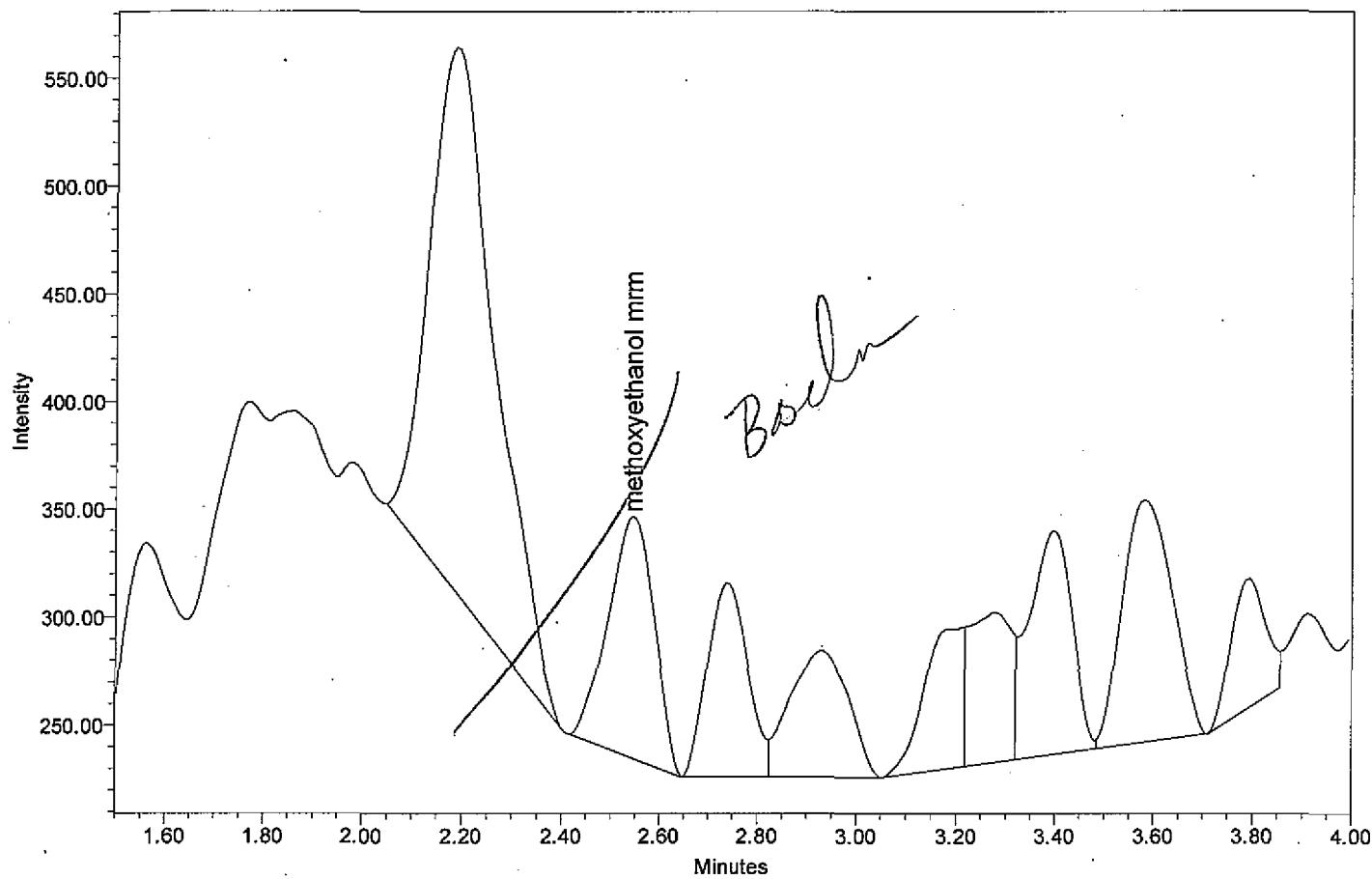
SampleName LCB 2 - BB21303 BLK1

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

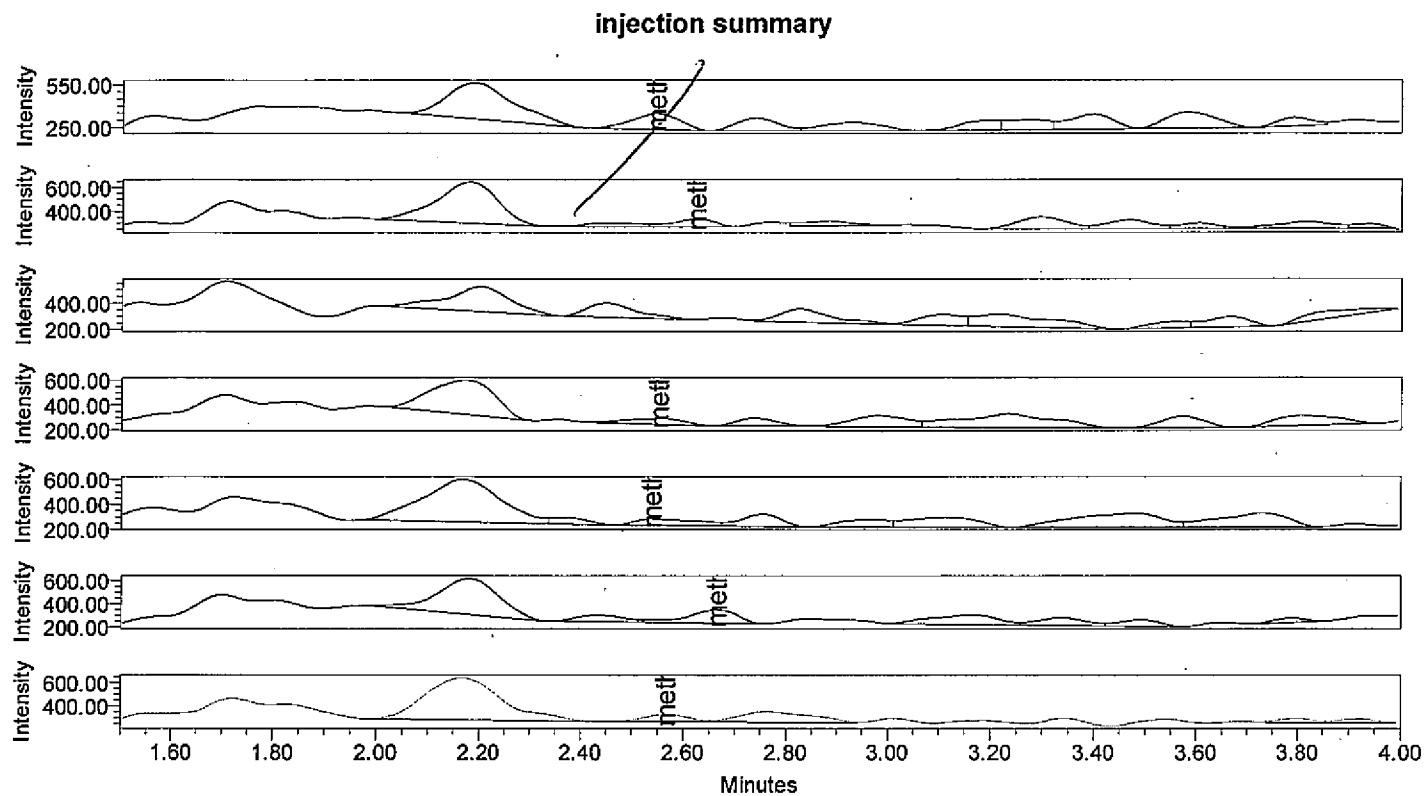
Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.545	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	730	112	BB

$$y = 2|z|^2$$

extr_date	coll_date	analyst jlg	Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM	Date Acquired 2/14/2012 1:14:50 PM EST	Vial 2:9	
Instrument Meth- methoxyethanol MRM	Processing Meth WO 1202004 Dimock 2meth proc		
	SampleName LCB 3	Sample Set Name WO 1202004 Dimock 2me run 1	
Page: 1 of 1			

jlg TQD 2methoxy Summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
 — Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
 — Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
 — Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
 — Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
 — Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1
 — Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.545	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	730	112	BB
2	methoxyethanol mrm	2.624	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	359	65	VB
3	methoxyethanol mmm	2.582	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8			Missing
4	methoxyethanol mrm	2.552	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	338	42	VB
5	methoxyethanol mrm	2.539	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	433	50	BV
6	methoxyethanol mrm	2.666	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	767	114	VB
7	methoxyethanol mrm	2.568	LCB 3	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	365	61	BV

mistakenly mixed w/ LCBs - not used except
for 2/17/12

extr_date

Acq Method Set methoxyethanol MRM

Instrument Meth- methoxyethanol MRM

SampleName LCB 3

coll_date

Date Acquired 2/14/2012 1:14:50 PM EST,

Processing Meth WO 1202004 Dimock 2meth proc

analyst jlg

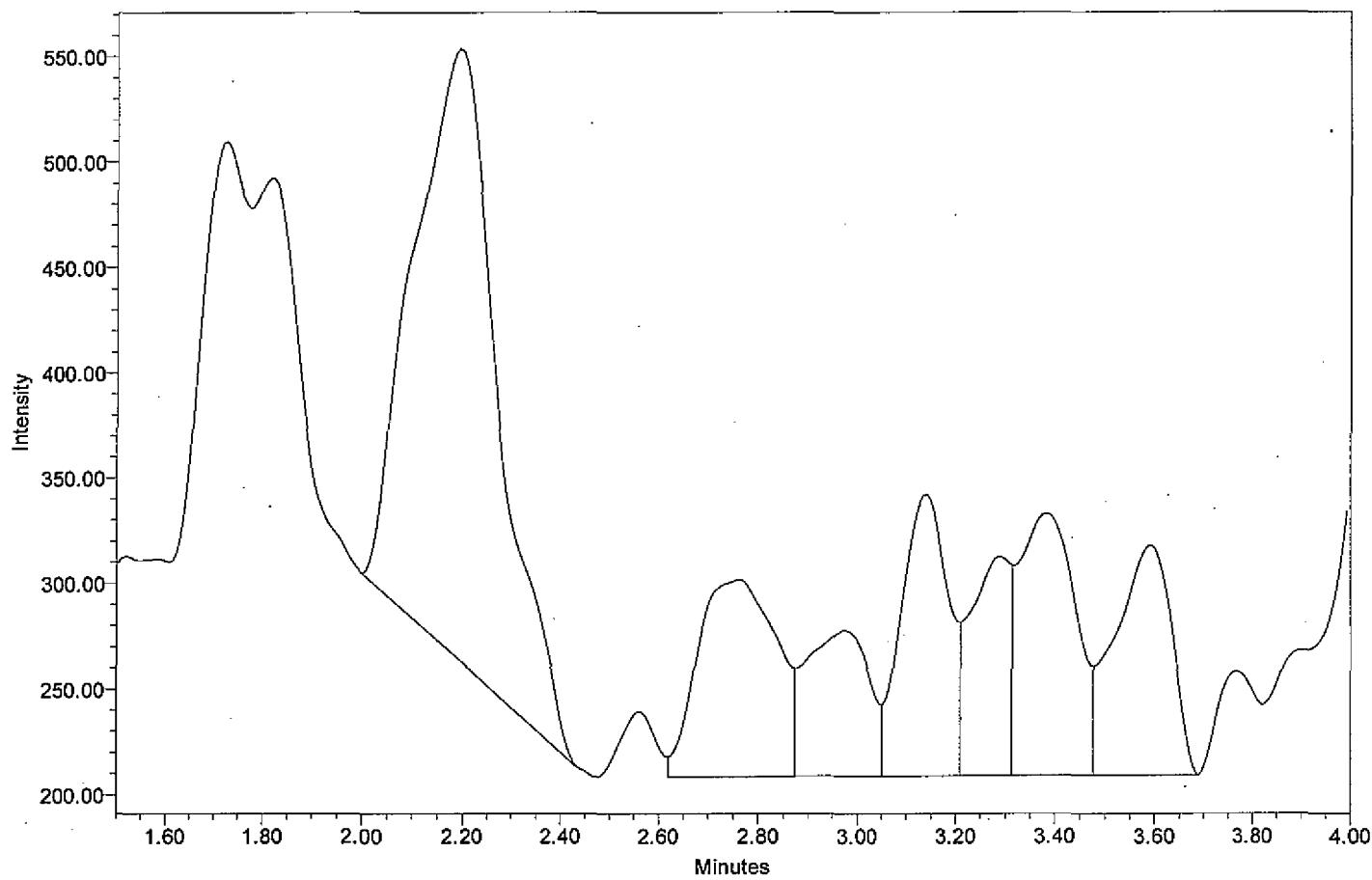
Inj Vol 30.00 uL

Vial 2:9

Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Int Type
1	methoxyethanol mm	2.582	LCB 4	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	Missing

$$y = x^2$$

extr_date	coll_date	analyst jlg	Inj Vol 30.00 uL
Acq Method Set methoxyethanol MRM	Date Acquired 2/14/2012 2:20:38 PM EST	Vial 2:9	
Instrument Meth- methoxyethanol MRM	Processing Meth WO 1202004 Dimock 2meth proc		
	SampleName LCB 4	Sample Set Name WO 1202004 Dimock 2me run 1	
Page: 1 of 1			

Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

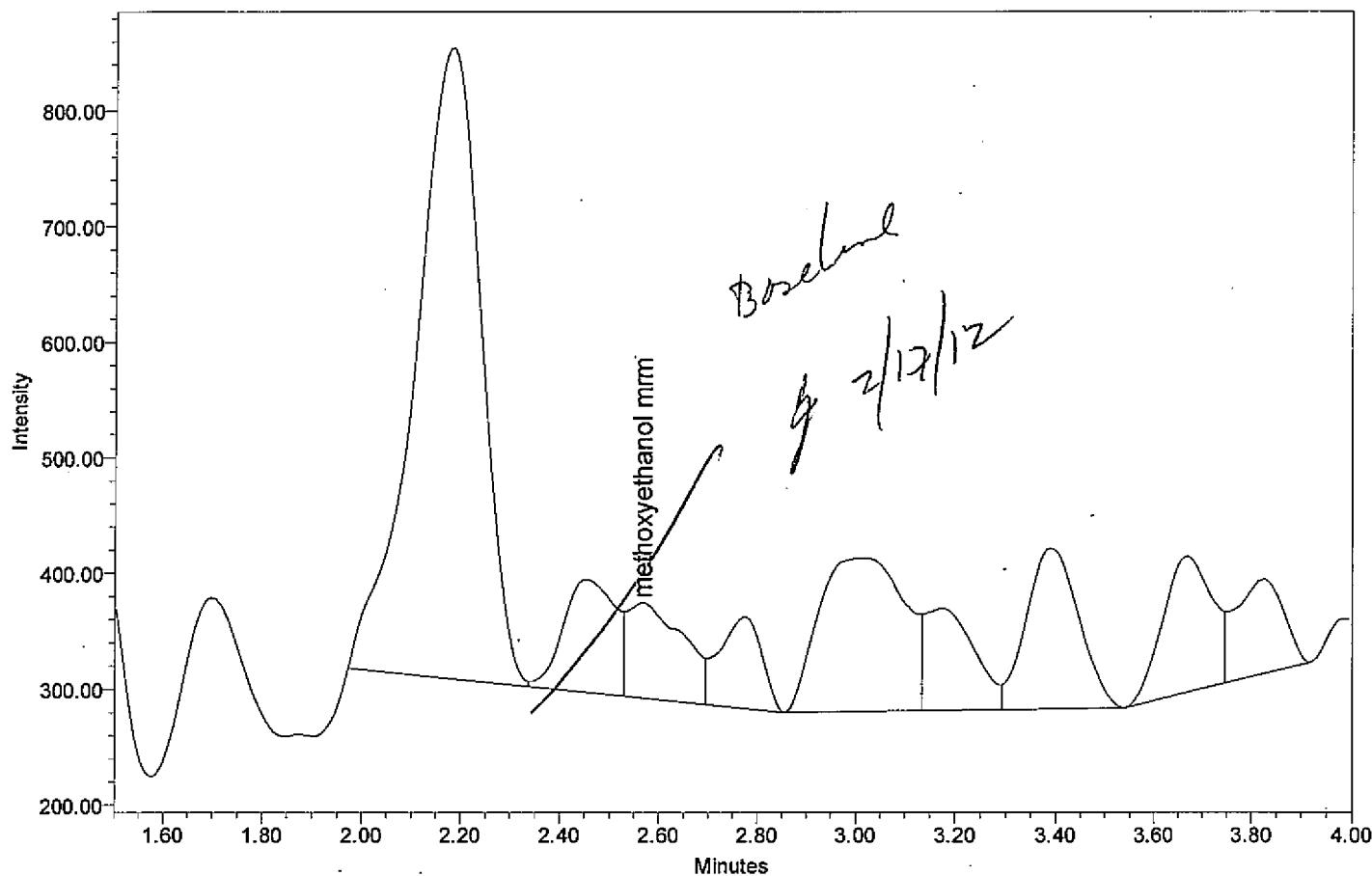
Sample Data

BB 21307

2-ml

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.568	1202004-21	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	646	82	VV

extr_date 02142012

coll_date 02102012

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 11:41:02 AM EST

Vial 2:28

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

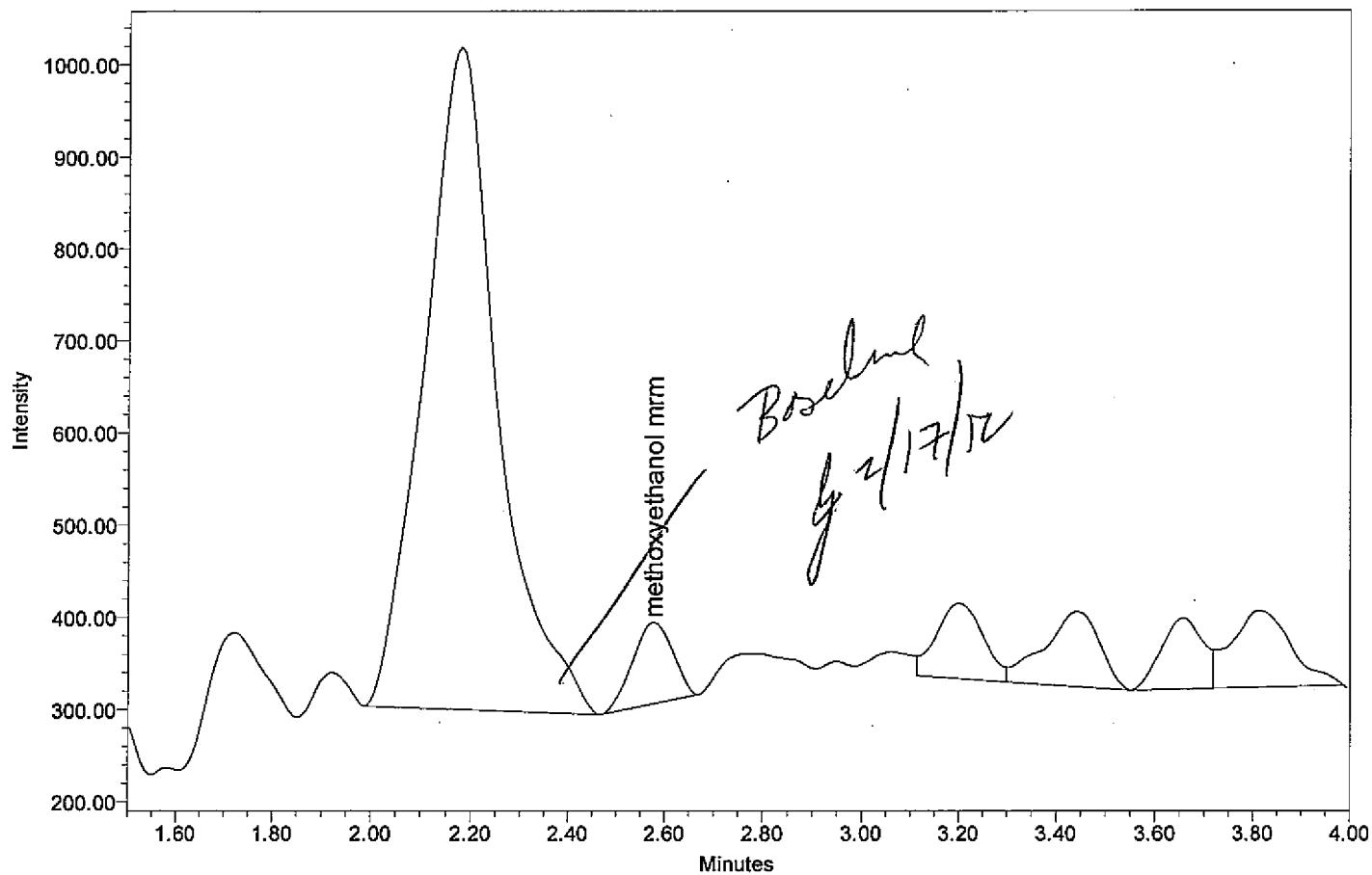
SampleName 1202004-21

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.578	1202004-22	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	506	88	BB

extr_date 02142012

coll_date 02092012

analyst jlg

Inj Vol 30.00 μ L

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 11:46:35 AM EST

Vial 2:29

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

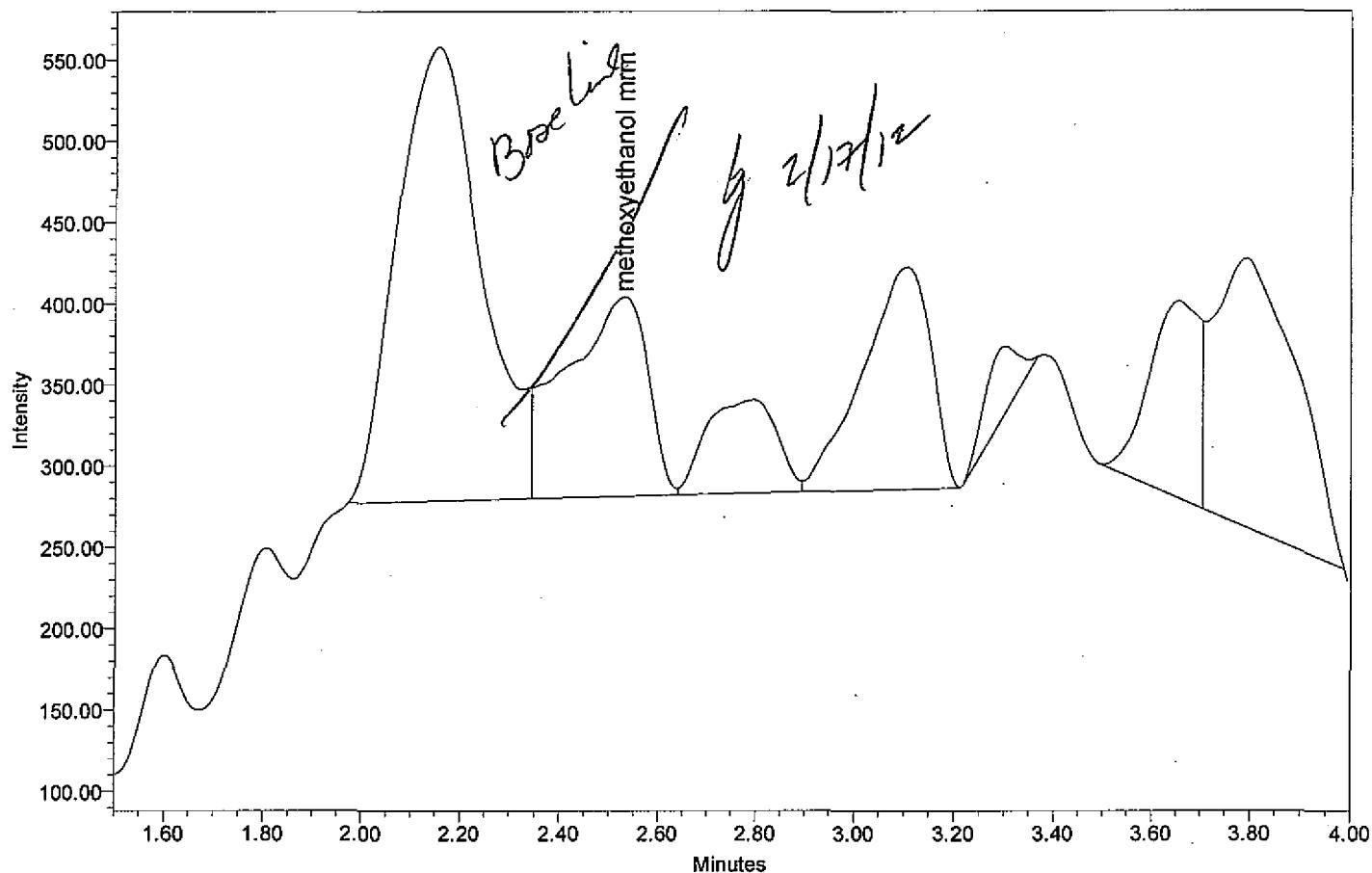
SampleName 1202004-22

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.529	1202004-23	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	1412	123	VV

extr_date 02142012

coll_date 02102012

analyst jlg Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 11:52:09 AM EST

Vial 2:30

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

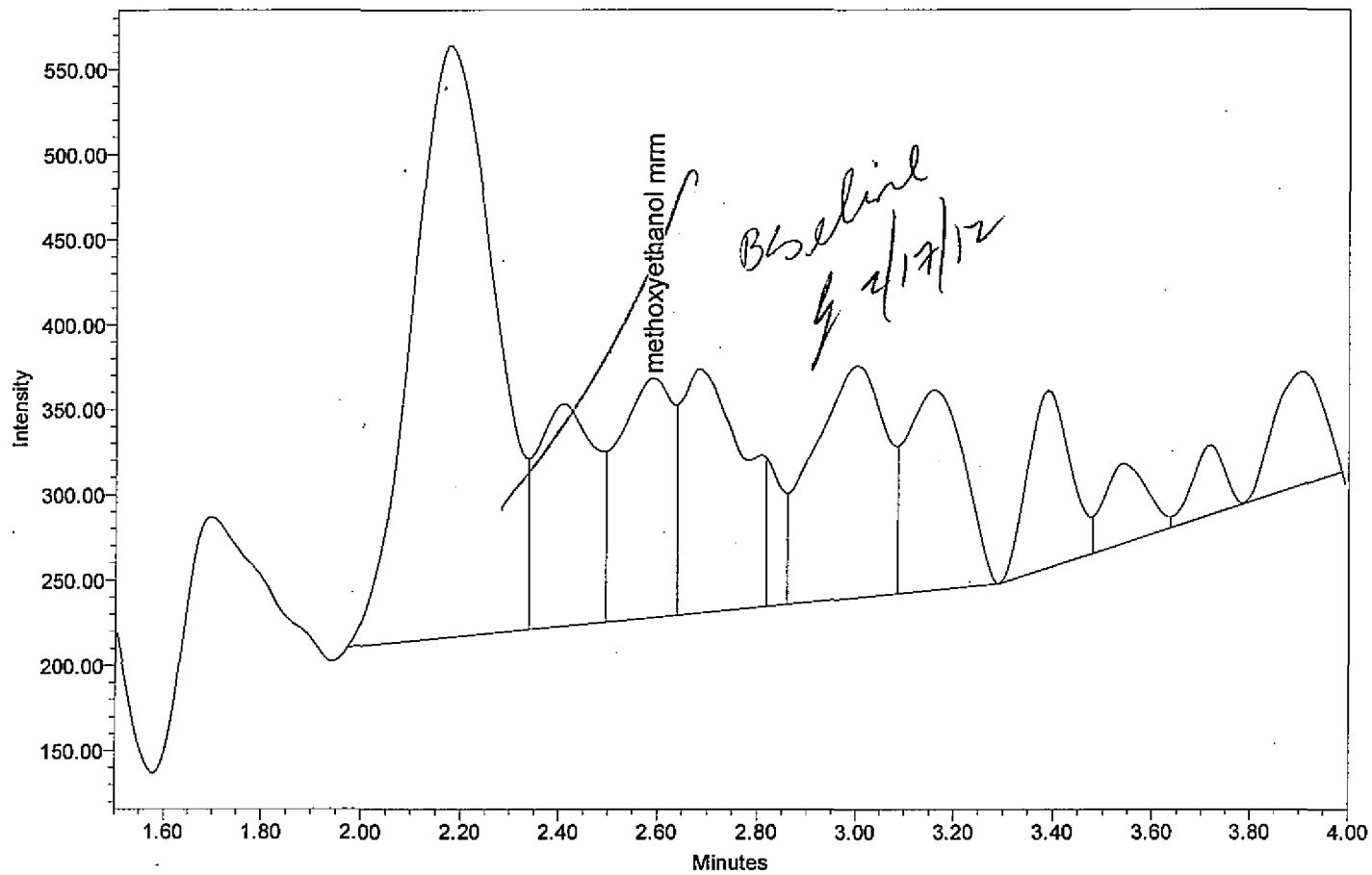
SampleName 1202004-23

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.591	1202004-24	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	1070	140	VV

extr_date 02142012

coll_date 02102012

analyst jlg Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 11:57:41 AM EST

Vial 2:31

Instrument Meth- methoxyethanol MRM

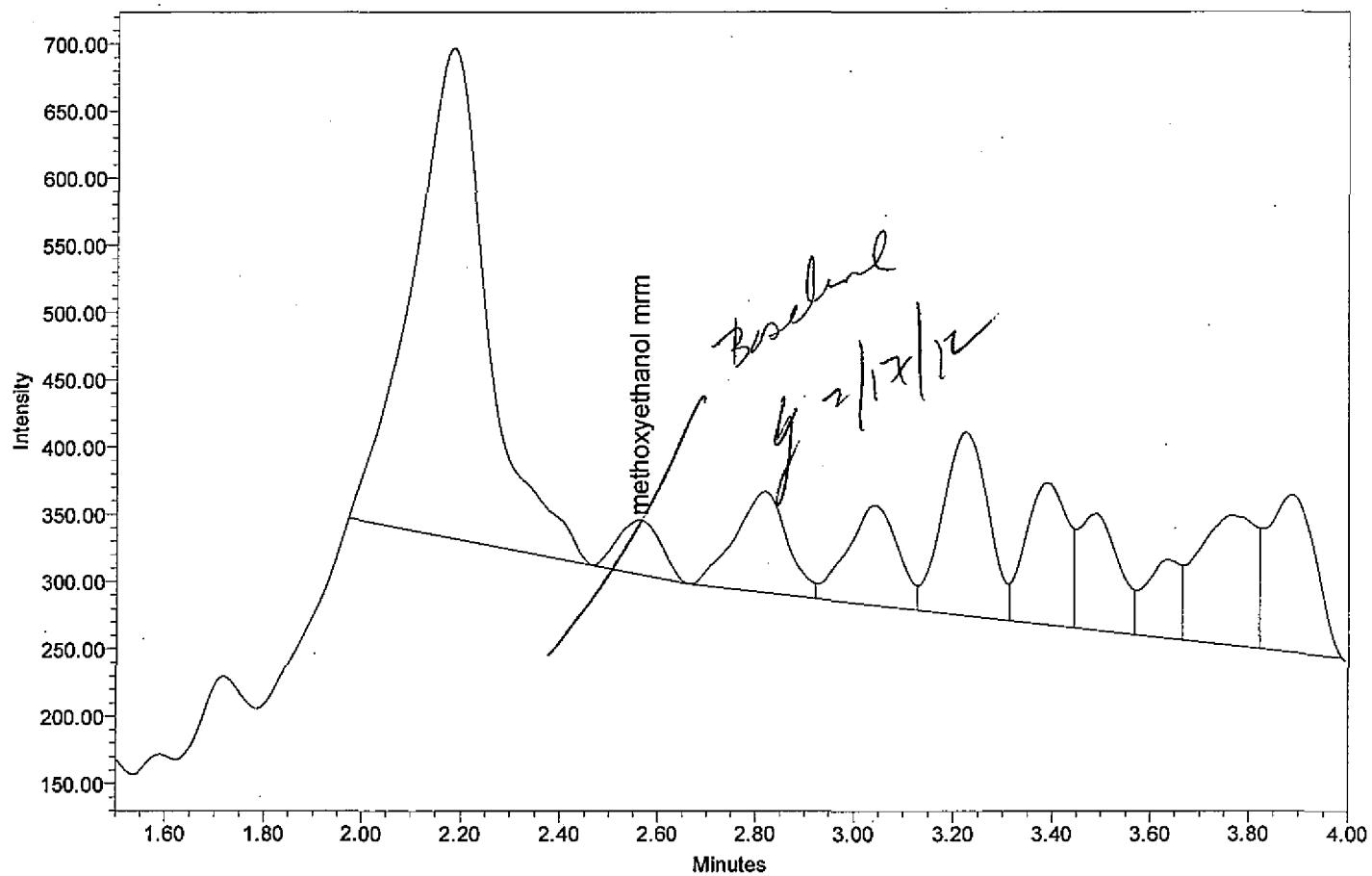
Processing Meth WO 1202004 Dimock 2meth proc

SampleName 1202004-24

Sample Set Name WO 1202004 Dimock 2me run 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.561	1202004-26	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	246	41	BB

extr_date 02142012

coll_date 02102012

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 12:08:44 PM EST

Vial 2:33

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

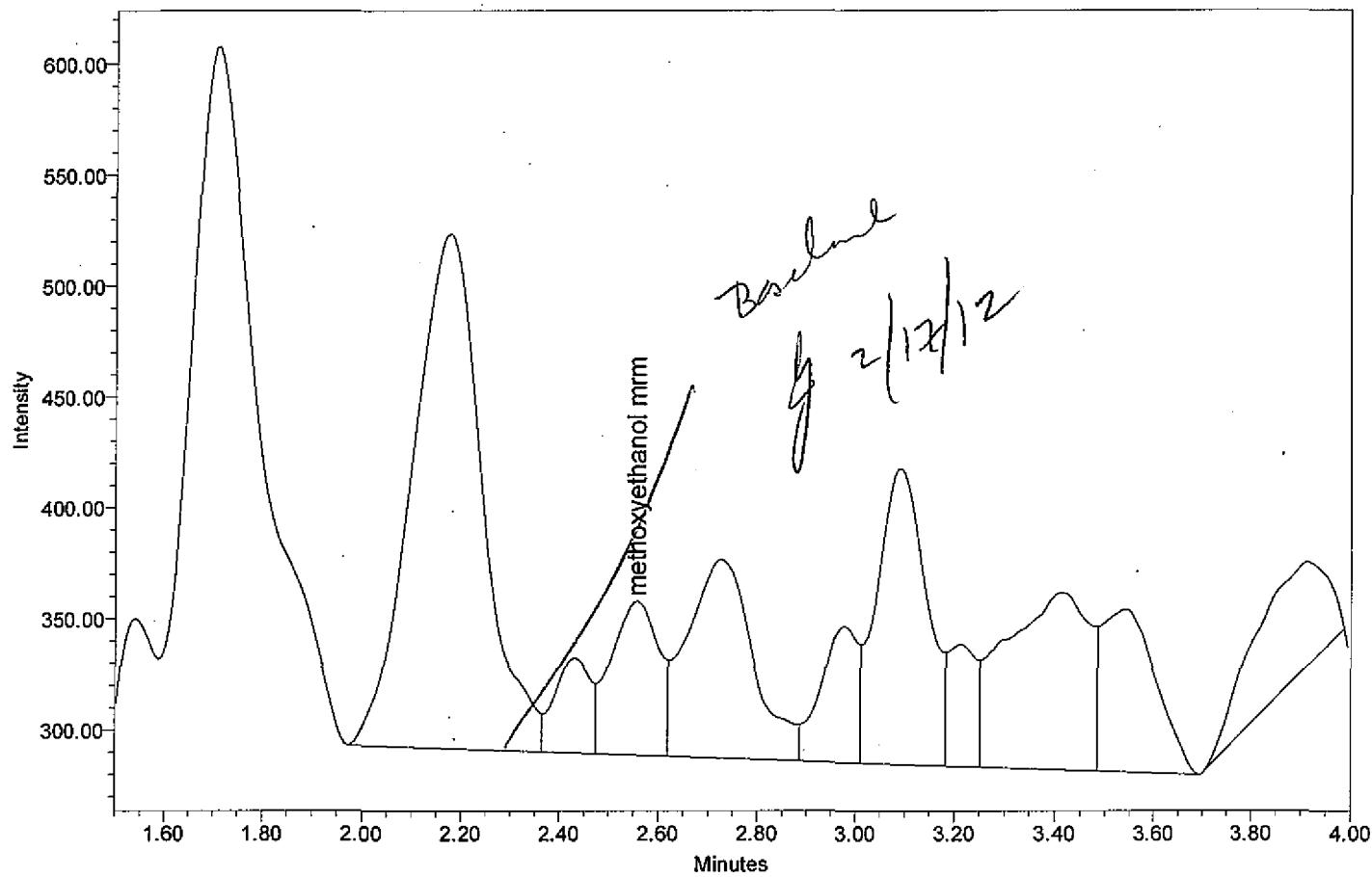
SampleName 1202004-26

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.556	1202004-25	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	457	69	VV

extr_date 02142012

coll_date 02092012

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 12:03:14 PM EST

Vial 2:32

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

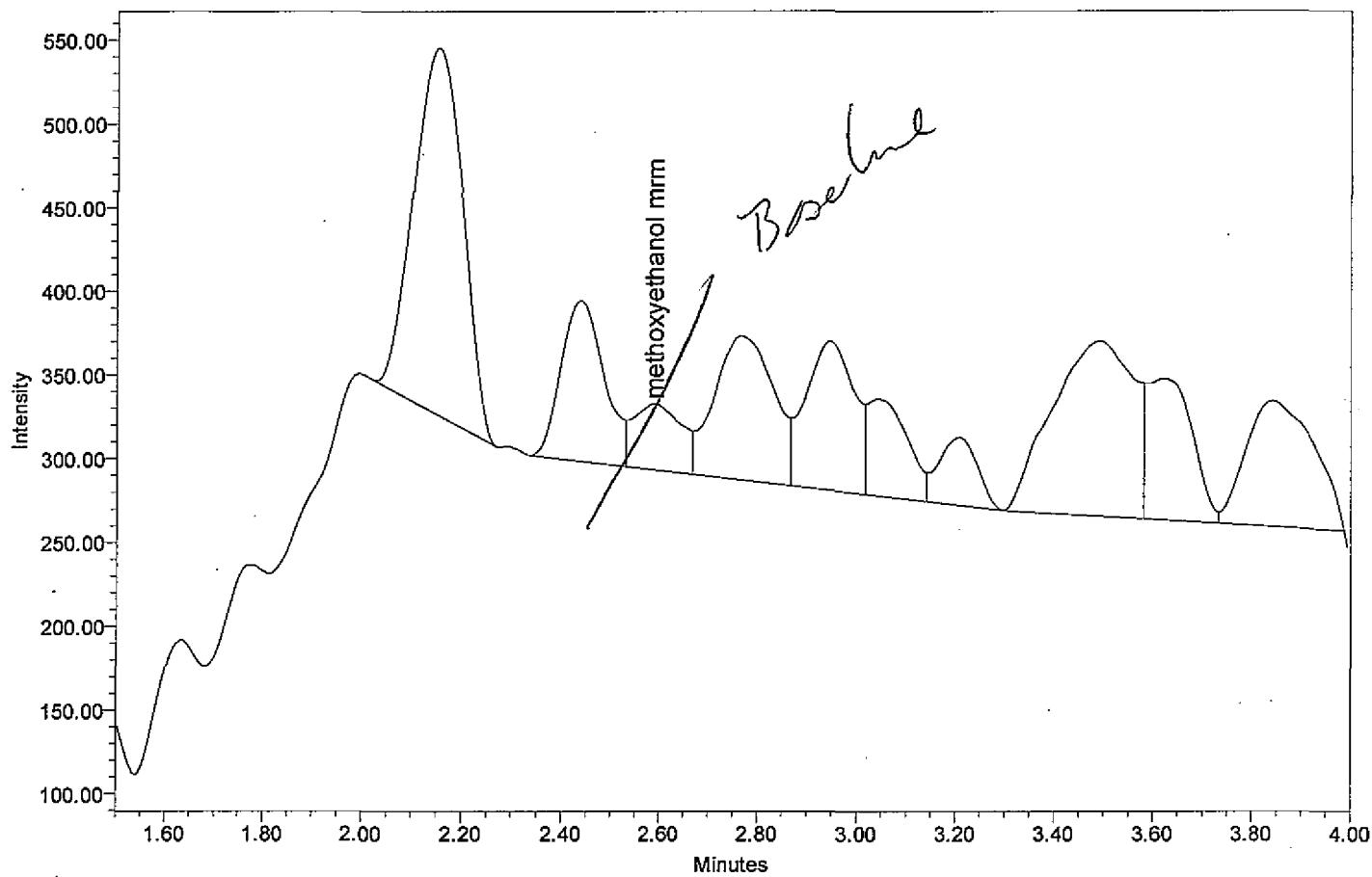
SampleName 1202004-25

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.589	1202004-27	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	270	39	VV

y 2/17/12

extr_date 02142012

coll_date 02102012

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 12:14:15 PM EST

Vial 2:34

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

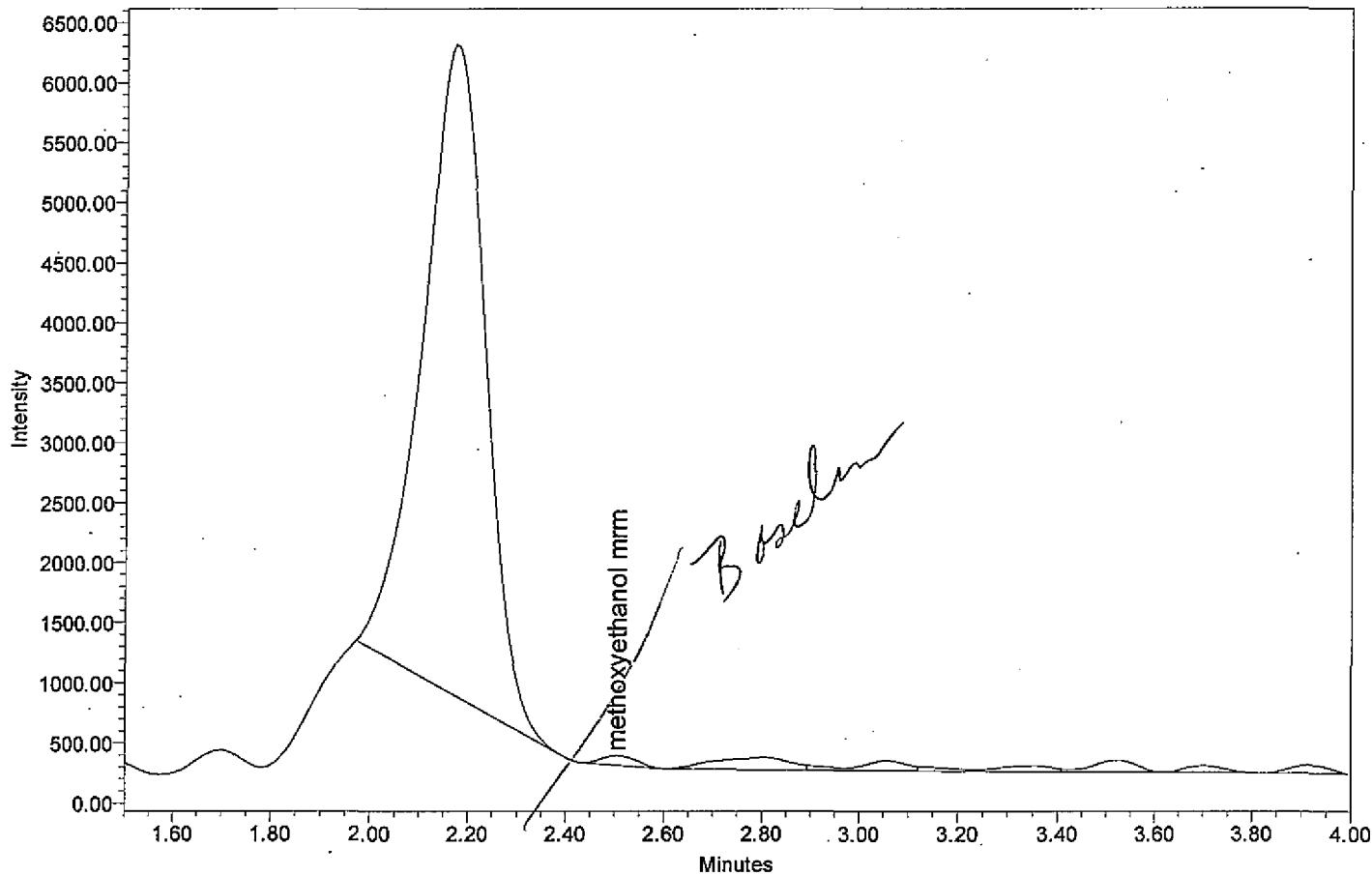
SampleName 1202004-27

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mmm	2.505	1202004-28	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	405	81	BB

y \sqrt{x} ✓

extr_date 02142012

coll_date 02092012

analyst jlg Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 12:19:46 PM EST

Vial 2:35

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

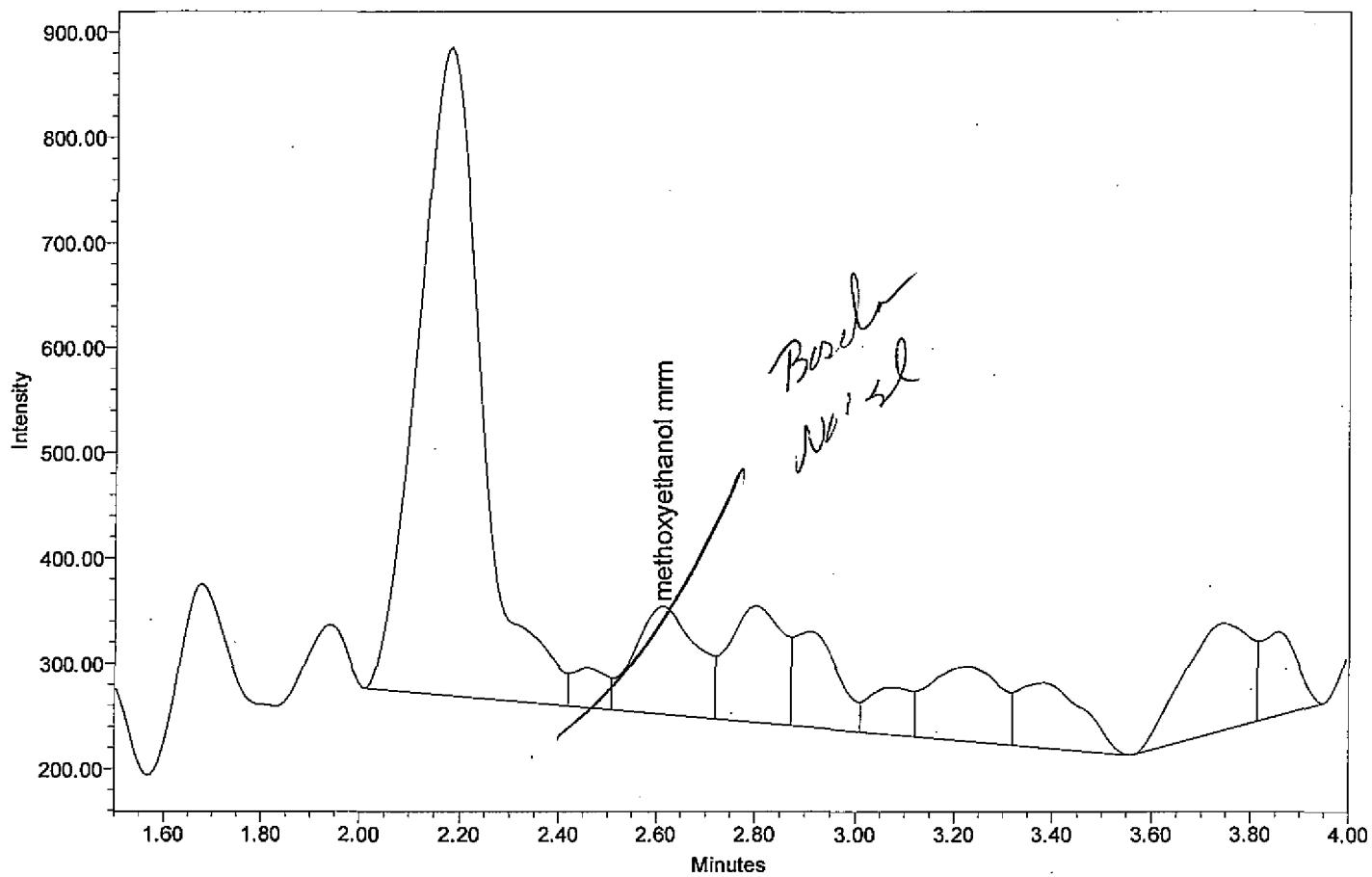
SampleName 1202004-28

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.612	1202004-29	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	911	102	VV

g 2/12/12

extr_date 02142012

coll_date 02092012

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 12:25:18 PM EST

Vial 2:36

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

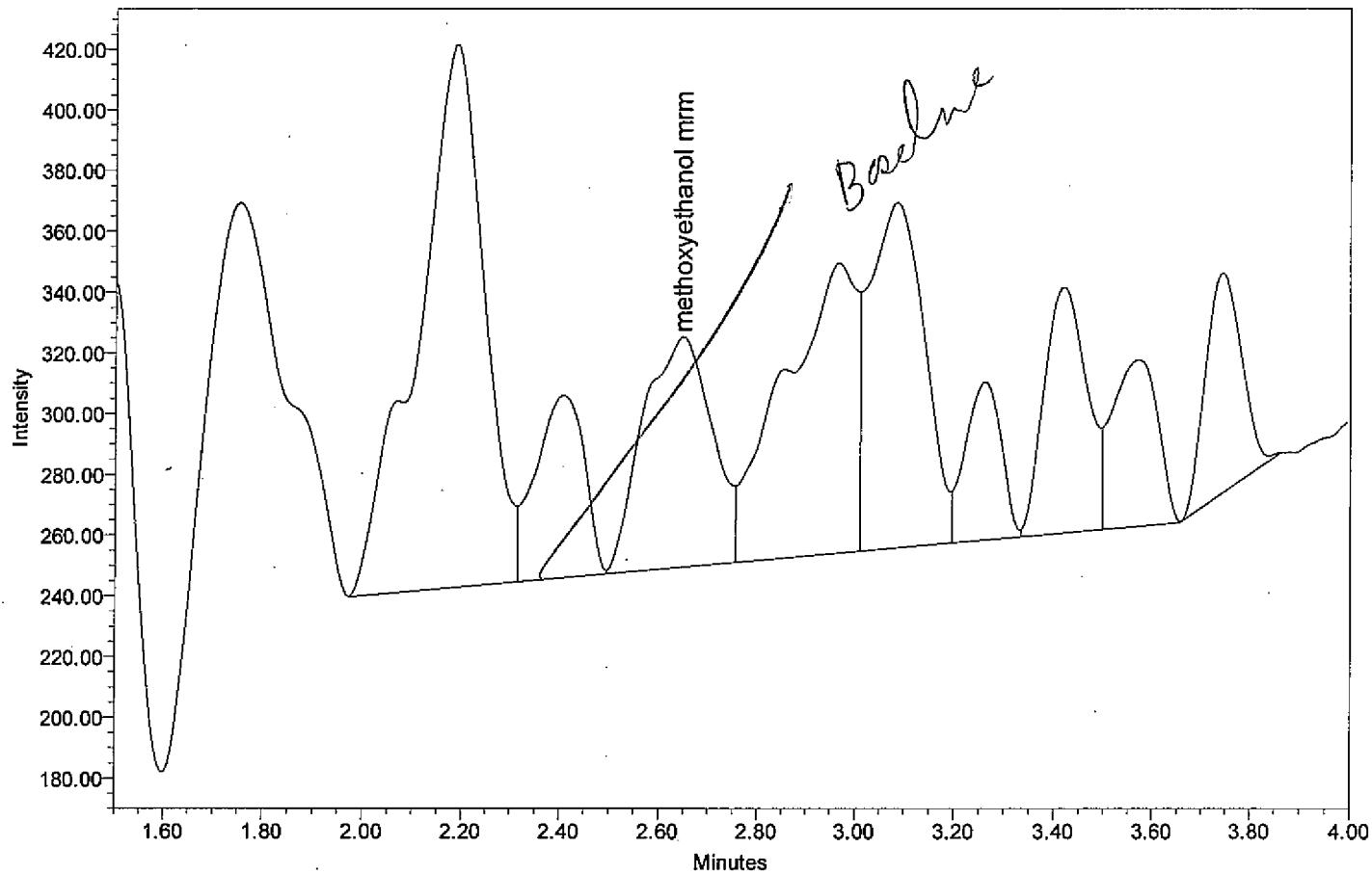
SampleName 1202004-29

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.648	1202004-30	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	732	76	VV

2/17/12
jlg

extr_date 02142012

coll_date 02102012

analyst jlg Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 12:30:50 PM EST

Vial 2:37

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

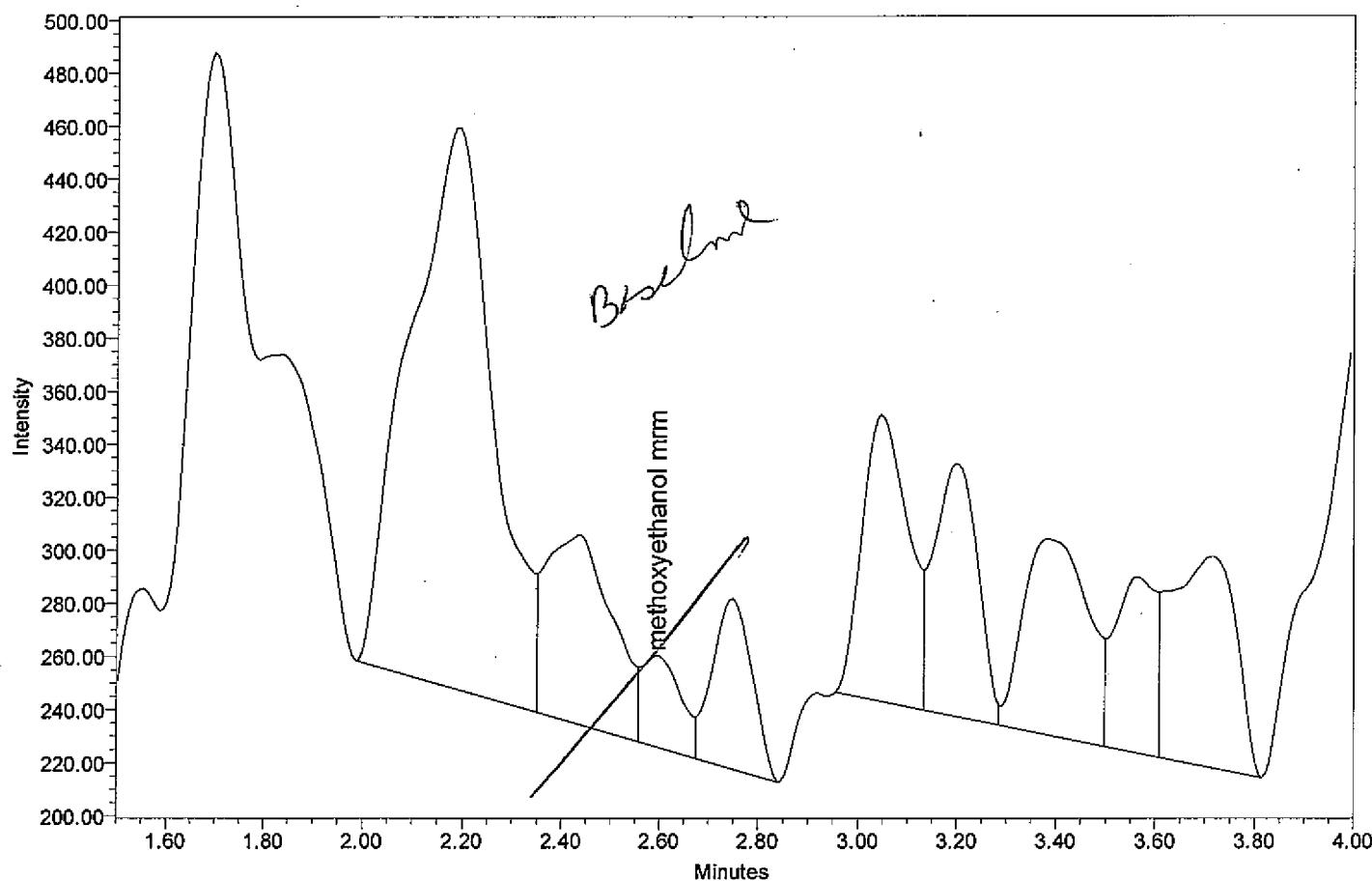
SampleName 1202004-30

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.595	1202004-31	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	190	34	VV

fp 2/12/12

extr_date 02142012

coll_date 02102012

analyst jlg

Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 1:52:58 PM EST

Vial 2:38

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

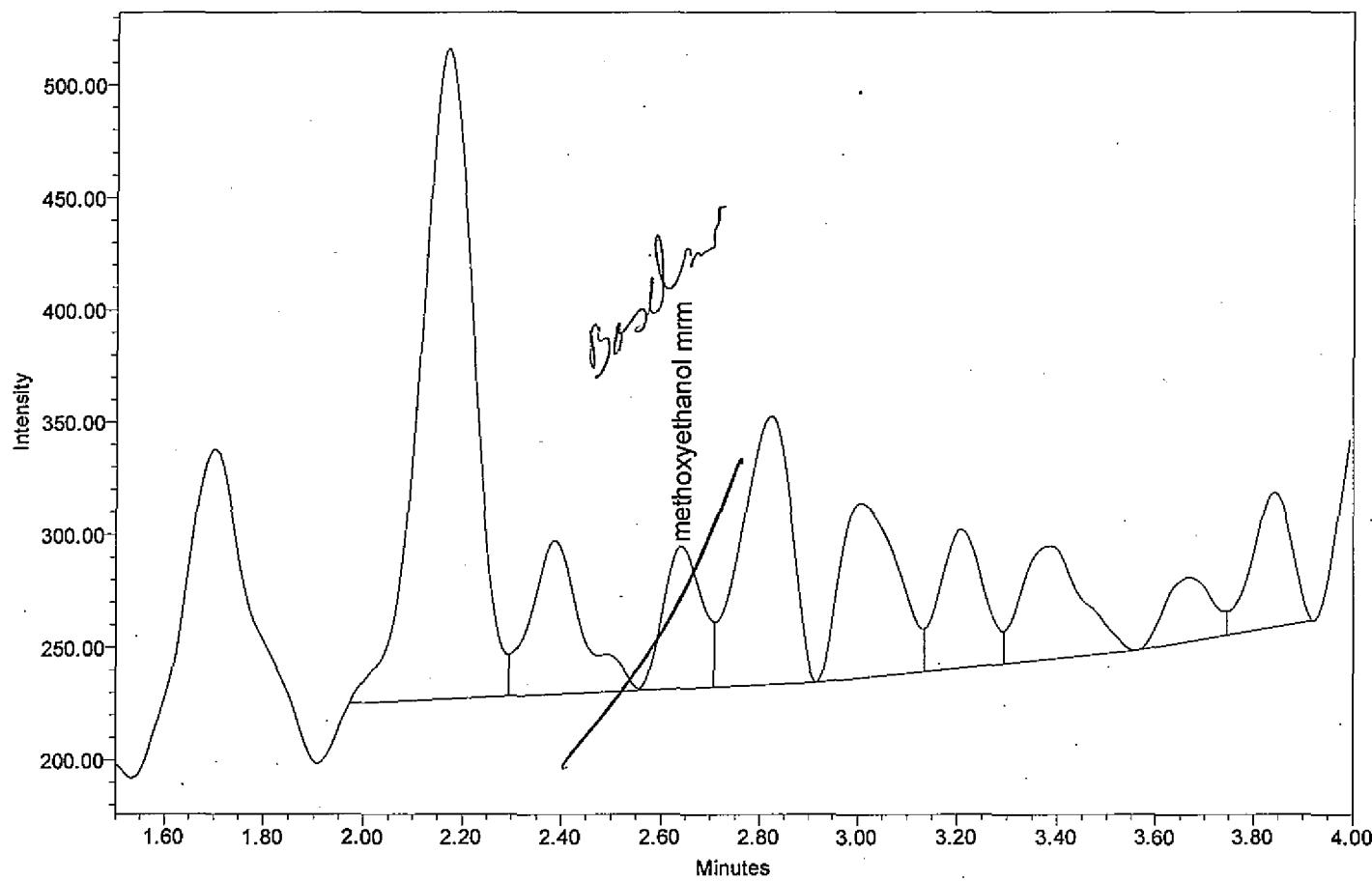
SampleName 1202004-31

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

jlg TQD 2methoxy Summary

injection summary



— Channel: TQ 2: MRM Ch1; Acq Meth set methoxyethanol MRM; Sample Set WO 1202004 Dimock 2me run 1

Name: methoxyethanol mrm

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	methoxyethanol mrm	2.642	1202004-32	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	340	63	VV

✓ 2(12)12

extr_date 02142012

coll_date 02102012

analyst jlg Inj Vol 30.00 uL

Acq Method Set methoxyethanol MRM

Date Acquired 2/14/2012 1:58:31 PM EST

Vial 2:39

Instrument Meth- methoxyethanol MRM

Processing Meth WO 1202004 Dimock 2meth proc

SampleName 1202004-32

Sample Set Name WO 1202004 Dimock 2me run 1

Page: 1 of 1

Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

Log Book Copies, Run Logs

BB 21303

2-Me

Project Name: WO 1202004 Dimock

jlg MRM Peaks Summary

Name : methoxyethanol mrm

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	SCV 1200038 2me 100ppb ult	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.579	71700	6421	101.855	2/14/2012 11:30:00 AM EST
2	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.582	7573	751	4.445	2/14/2012 12:36:24 PM EST
3	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.571	9393	754	7.209	2/14/2012 12:41:53 PM EST
4	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.579	6926	634	3.462	2/14/2012 12:47:22 PM EST
5	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.578	9196	799	6.910	2/14/2012 12:52:52 PM EST
6	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.572	9284	803	7.043	2/14/2012 12:58:20 PM EST
7	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.567	7571	739	4.441	2/14/2012 1:03:50 PM EST
8	ccv 1200069 2me10ppb ac lowBSMDL	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.584	7542	670	4.397	2/14/2012 1:09:20 PM EST
9	1202004-21MS BB21303-MS1	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.569	75645	7208	107.848	2/14/2012 2:04:05 PM EST
10	1202004-21MSD BB21303-MSD1	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.573	78017	7283	111.451	2/14/2012 2:09:35 PM EST
11	1200066 2me 100ppb BB21303bs2	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.569	75028	7069	106.911	2/14/2012 2:15:08 PM EST
12	1200067 2me 50ppb accu CCV	2: MRM Ch1 76.91>59.10 ES+, CV=12 CE=8	methoxyethanol mrm	2.568	37903	3598	50.517	2/14/2012 2:26:11 PM EST

DIM0207810

DIM0207869

Sample Set Method: WO 1202004 Dimock 2me run 1

Plate/Well	Inj Vol (µL)	# of InjS	SampleName	Level	Function	Method Set / Report Method	Run Time (Minutes)	Next Inj. Delay (Minutes)
1	2:1	30.0	1 LCB 1		Inject Samples	methoxyethanol MRM	4.00	0.00
2	2:2	30.0	1 1200064 2me 500ppb accu	1	Inject Standards	methoxyethanol MRM	4.00	0.00
3	2:3	30.0	1 1200065 2me 250ppb accu	2	Inject Standards	methoxyethanol MRM	4.00	0.00
4	2:4	30.0	1 1200066 2me 100ppb accu	3	Inject Standards	methoxyethanol MRM	4.00	0.00
5	2:5	30.0	1 1200067 2me 50ppb accu	4	Inject Standards	methoxyethanol MRM	4.00	0.00
6	2:6	30.0	1 1200068 2me 25ppb accu	5	Inject Standards	methoxyethanol MRM	4.00	0.00
7	2:7	30.0	1 1200069 2me 10ppb accu	6	Inject Standards	methoxyethanol MRM	4.00	0.00
8	2:8	30.0	1 SCV 1200038 2me 100ppb ult		Inject Samples	methoxyethanol MRM	4.00	0.00
9	2:9	30.0	1 LCB 2 - BB21303 BLK1		Inject Samples	methoxyethanol MRM	4.00	0.00
10	2:28	30.0	1 1202004-21		Inject Samples	methoxyethanol MRM	4.00	0.00
11	2:29	30.0	1 1202004-22		Inject Samples	methoxyethanol MRM	4.00	0.00
12	2:30	30.0	1 1202004-23		Inject Samples	methoxyethanol MRM	4.00	0.00
13	2:31	30.0	1 1202004-24		Inject Samples	methoxyethanol MRM	4.00	0.00
14	2:32	30.0	1 1202004-25		Inject Samples	methoxyethanol MRM	4.00	0.00
15	2:33	30.0	1 1202004-26		Inject Samples	methoxyethanol MRM	4.00	0.00
16	2:34	30.0	1 1202004-27		Inject Samples	methoxyethanol MRM	4.00	0.00
17	2:35	30.0	1 1202004-28		Inject Samples	methoxyethanol MRM	4.00	0.00
18	2:36	30.0	1 1202004-29		Inject Samples	methoxyethanol MRM	4.00	0.00
19	2:37	30.0	1 1202004-30		Inject Samples	methoxyethanol MRM	4.00	0.00
20	2:7	30.0	7 1200069 2me10ppb ac lowBSMDL CCV		Inject Samples	methoxyethanol MRM	4.00	0.00
21	2:9	30.0	7 LCB 3 Typ only need 1 in		Inject Samples	methoxyethanol MRM	4.00	0.00
22	2:38	30.0	1 1202004-31 only need 1 in		Inject Samples	methoxyethanol MRM	4.00	0.00
23	2:39	30.0	1 1202004-32 only need 1 in		Inject Samples	methoxyethanol MRM	4.00	0.00
24	2:40	30.0	1 1202004-21MS BB21303-MS1		Inject Samples	methoxyethanol MRM	4.00	0.00
25	2:41	30.0	1 1202004-21MSD BB21303-MSD1		Inject Samples	methoxyethanol MRM	4.00	0.00
26	2:4	30.0	1 1200066 2me 100ppb BB21303bs1		Inject Samples	methoxyethanol MRM	4.00	0.00
27	2:9	30.0	1 LCB 4		Inject Samples	methoxyethanol MRM	4.00	0.00
28	2:5	30.0	1 1200067 2me 50ppb accu CCV		Inject Samples	methoxyethanol MRM	4.00	0.00

f u n
l o g

	MS Tune Method	MS Calibration Method	SampleWeight	Dilution	analyst	coll_date	extr_date	hplc_column	inst
1	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
2	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
3	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
4	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
5	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
6	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
7	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
8	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
9	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
10	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
11	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
12	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
13	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
14	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
15	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
16	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
17	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
18	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS

Sample Set Method: WO 1202004 Dimock 2me run 1

	MS Tune Method	MS Calibration Method	SampleWeight	Dilution	analyst	coll_date	extr_date	hplc_column	inst
19	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
20	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
21	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
22	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
23	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
24	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
25	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
26	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
27	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
28	2methoy comb test	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS

WO 1202004 Dimock as System/Administrator - Project Injections

	Sample Name	Vial	Injection	Sample Type	Date Acquired
1	LCB 1	2:1	1	Unknown	2/14/2012 10:51:11 AM EST
2	1200064 2me 500ppb accu	2:2	1	Standard	2/14/2012 10:56:42 AM EST
3	1200065 2me 250ppb accu	2:3	1	Standard	2/14/2012 11:02:14 AM EST
4	1200066 2me 100ppb accu	2:4	1	Standard	2/14/2012 11:07:48 AM EST
5	1200067 2me 50ppb accu	2:5	1	Standard	2/14/2012 11:13:20 AM EST
6	1200068 2me 25ppb accu	2:6	1	Standard	2/14/2012 11:18:53 AM EST
7	1200069 2me 10ppb accu	2:7	1	Standard	2/14/2012 11:24:27 AM EST
8	SCV 1200038 2me 100ppb ult	2:8	1	Unknown	2/14/2012 11:30:00 AM EST
9	LCB 2 - BB21303 BLK1	2:9	1	Unknown	2/14/2012 11:35:29 AM EST
10	1202004-21	2:28	1	Unknown	2/14/2012 11:41:02 AM EST
11	1202004-22	2:29	1	Unknown	2/14/2012 11:46:35 AM EST
12	1202004-23	2:30	1	Unknown	2/14/2012 11:52:09 AM EST
13	1202004-24	2:31	1	Unknown	2/14/2012 11:57:41 AM EST
14	1202004-25	2:32	1	Unknown	2/14/2012 12:03:14 PM EST
15	1202004-26	2:33	1	Unknown	2/14/2012 12:08:44 PM EST
16	1202004-27	2:34	1	Unknown	2/14/2012 12:14:15 PM EST
17	1202004-28	2:35	1	Unknown	2/14/2012 12:19:46 PM EST
18	1202004-29	2:36	1	Unknown	2/14/2012 12:25:18 PM EST
19	1202004-30	2:37	1	Unknown	2/14/2012 12:30:50 PM EST
20	ccv 1200069 2me10ppb ac lowBSMDL	2:7	1	Unknown	2/14/2012 12:36:24 PM EST
21	ccv 1200069 2me10ppb ac lowBSMDL	2:7	2	Unknown	2/14/2012 12:41:53 PM EST
22	ccv 1200069 2me10ppb ac lowBSMDL	2:7	3	Unknown	2/14/2012 12:47:22 PM EST
23	ccv 1200069 2me10ppb ac lowBSMDL	2:7	4	Unknown	2/14/2012 12:52:52 PM EST
24	ccv 1200069 2me10ppb ac lowBSMDL	2:7	5	Unknown	2/14/2012 12:58:20 PM EST
25	ccv 1200069 2me10ppb ac lowBSMDL	2:7	6	Unknown	2/14/2012 1:03:50 PM EST
26	ccv 1200069 2me10ppb ac lowBSMDL	2:7	7	Unknown	2/14/2012 1:09:20 PM EST
27	LCB 3	2:9	1	Unknown	2/14/2012 1:14:50 PM EST
28	LCB 3	2:9	2	Unknown	2/14/2012 1:20:16 PM EST
29	LCB 3	2:9	3	Unknown	2/14/2012 1:25:41 PM EST
30	LCB 3	2:9	4	Unknown	2/14/2012 1:31:07 PM EST
31	LCB 3	2:9	5	Unknown	2/14/2012 1:36:34 PM EST
32	LCB 3	2:9	6	Unknown	2/14/2012 1:41:59 PM EST
33	LCB 3	2:9	7	Unknown	2/14/2012 1:47:24 PM EST
34	1202004-31	2:38	1	Unknown	2/14/2012 1:52:58 PM EST
35	1202004-32	2:39	1	Unknown	2/14/2012 1:58:31 PM EST
36	1202004-21MS BB21303-MS1	2:40	1	Unknown	2/14/2012 2:04:05 PM EST
37	1202004-21MSD BB21303-MSD1	2:41	1	Unknown	2/14/2012 2:09:35 PM EST
38	1200066 2me 100ppb BB21303bs2	2:4	1	Unknown	2/14/2012 2:15:08 PM EST
39	LCB 4	2:9	1	Unknown	2/14/2012 2:20:38 PM EST
40	1200067 2me 50ppb accu CCV	2:5	1	Unknown	2/14/2012 2:26:11 PM EST

	Sample Set Name
1	WO 1202004 Dimock 2me run 1
2	WO 1202004 Dimock 2me run 1

	Sample Set Name
3	WO 1202004 Dimock 2me run 1
4	WO 1202004 Dimock 2me run 1

	Sample Set Name
5	WO 1202004 Dimock 2me run 1
6	WO 1202004 Dimock 2me run 1

WO 1202004 Dimock as System/Administrator - Project Injections

	Sample Set Name
7	WO 1202004 Dimock 2me run 1
8	WO 1202004 Dimock 2me run 1
9	WO 1202004 Dimock 2me run 1
10	WO 1202004 Dimock 2me run 1
11	WO 1202004 Dimock 2me run 1
12	WO 1202004 Dimock 2me run 1
13	WO 1202004 Dimock 2me run 1
14	WO 1202004 Dimock 2me run 1
15	WO 1202004 Dimock 2me run 1
16	WO 1202004 Dimock 2me run 1
17	WO 1202004 Dimock 2me run 1
18	WO 1202004 Dimock 2me run 1
19	WO 1202004 Dimock 2me run 1
20	WO 1202004 Dimock 2me run 1
21	WO 1202004 Dimock 2me run 1
22	WO 1202004 Dimock 2me run 1
23	WO 1202004 Dimock 2me run 1
24	WO 1202004 Dimock 2me run 1
25	WO 1202004 Dimock 2me run 1
26	WO 1202004 Dimock 2me run 1
27	WO 1202004 Dimock 2me run 1
28	WO 1202004 Dimock 2me run 1
29	WO 1202004 Dimock 2me run 1
30	WO 1202004 Dimock 2me run 1
31	WO 1202004 Dimock 2me run 1
32	WO 1202004 Dimock 2me run 1
33	WO 1202004 Dimock 2me run 1
34	WO 1202004 Dimock 2me run 1
35	WO 1202004 Dimock 2me run 1
36	WO 1202004 Dimock 2me run 1
37	WO 1202004 Dimock 2me run 1
38	WO 1202004 Dimock 2me run 1
39	WO 1202004 Dimock 2me run 1
40	WO 1202004 Dimock 2me run 1

Method Set: WO 1202004 Dimock 2meth proc

Stored: 2/17/2012 5:48:50 PM EST

General Information

Method Comments
 Method Modified User System
 Method Locked No
 Method Id 2626
 Method Version 1
 Method Edit User
 Source S/W Info Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731
 Instrument Method methoxyethanol MRM
 Report Method
 3D Blank Chromatogram
 Processing Method Glycol Mix
 Export Method
 Store Derived Channel No
 Delete 3D Chrom No

Method Set Table

Channel Name	Processing Method	Report Method
TQ 2: MRM Ch1	WO 1202004 Dimock 2meth proc	

Revision History

Version 1 2/17/2012 5:48:50 PM EST User System

Method Version Summaries

Method Name	Method Type	Method Comments	Method Date	Method Modified User
WO 1202004 Dimock 2meth proc	Method Set		2/17/2012 5:48:50 PM EST	System

Method Version Summaries

Method Locked	Method Id	Method Version	Source S/W Info
No	2626	1	Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731

Reported by User: System

Project Name: WO 1202004 Dimock

Report Method: Untitled

Date Printed:

Report Method ID: 116

2/17/2012

Page: 1 of 1

5:50:06 PM US/Eastern

Processing Method: WO 1202004 Dimock 2meth proc

Type: LC

Stored: 2/17/2012 5:48:21 PM EST

Method Information

Method Comments	
Method Modified User	
Method Locked	System
Method Id	No
Method Version	2625
Method Edit User	1
Source S/W Info	Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731
Integration Algorithm	Traditional
Average By	None
RT Window %	5.00
Update RT	Never
CCalRef1	
Include Internal Standard Amounts in Amount Calculation	No
Vial/Default Value Type	Amount

Integration Parameters

Minimum Area	150(µV*sec)
Minimum Height	15(µV)
Threshold	2.000(µV/sec)
Peak Width	15.00(sec)

Integration Events

	Time (min)	Type	Value	Stop (min)
1	0.000	Inhibit Integration		2.000

Component Table

	Name	Peak Label	Retention Time (min)	RT Window (min)	Channel	Peak Match	Y Value	X Value	Fit	Weighting
1	methoxyethanol		2.582	0.129	TQ 1: SIR Ch1	Closest	Area	Amount	Linear	None
2	methoxyethanol mrm		2.582	0.129	TQ 2: MRM Ch1	Closest	Area	Amount	Linear	None

Component Table

	Internal Std	RT Reference	Rel RT Reference	Rel Resol Reference	Curve Reference	Relative Response	Must	Default Pk
1						1.000000	No	No
2						1.000000	No	No

Component Table

	Default Pk Start (min)	Default Pk End (min)	Default Units	Type	CCompRef1	CCompRef2	CCompRef3	CConst1	CConst2	CConst3
1				Single						
2				Single						

Reported by User: System

Project Name: WO 1202004 Dimock

Report Method: Untitled

Date Printed:

Report Method ID: 117

2/17/2012

Page: 1 of 3

5:50:08 PM US/Eastern

Component Table

	CConst4	CConst5	CConst6	CConst7
1				
2				

Processing Method Group 'Name Groups' table contains no data.

Processing Method Group 'Time Groups' table contains no data.

Def

Amts-'methoxyethanol'

	Level	Default Value
1	1	483.000000
2	2	242.000000
3	3	97.000000
4	4	48.000000
5	5	24.000000
6	6	9.700000

Def

Amts-'methoxyethanol
mmr'

	Level	Default Value
1	1	483.000000
2	2	242.000000
3	3	97.000000
4	4	48.000000
5	5	24.000000
6	6	9.700000

Noise and Drift Parameters

Calculate Detector Noise and Drift No
 Detector Noise and Drift Start Time 6.500(Minutes)
 Detector Noise and Drift End Time 7.000(Minutes)
 Detector Noise and Drift Segment Width 10(sec)

Concentration Smoothing/Offset Parameters

Time Offset 0.000(Minutes)
 Smoothing Type Mean
 Smoothing Level 13
 Empty parameters supersede the derived channel's smoothing and offset parameters No

Revision History

Version 1 2/17/2012 5:48:21 PM EST User System

Method Version Summaries

	Method Name	Method Type	Method Comments	Method Date	Method Modified User
1	WO 1202004 Dimock 2meth proc	Processing		2/17/2012 5:48:21 PM EST	System

Reported by User: System

Project Name: WO 1202004 Dimock

Report Method: Untitled

Date Printed:

Report Method ID: 117

2/17/2012

Page: 2 of 3

5:50:08 PM US/Eastern

Method Version Summaries

Method Locked	Method Id	Method Version	Source S/W Info
1 No	2625	1	Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731

Reported by User: System

Report Method: Untitled

Report Method ID: 117

Page: 3 of 3

Project Name: WO 1202004 Dimock

Date Printed:

2/17/2012

5:50:08 PM US/Eastern

Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

Log Book Copies, Run Logs

*BB 2/3/03
Glycol*

Project Name: WO 1202004 Dimock

jlg MRM Peaks Summary

Name : 2 butoxyethanol

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.984	100191	6876	203.714	2/14/2012 11:24:35 PM EST
2	1100499 glycol 100ppb SCV accu	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.984	53069	3659	105.833	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.978	58465	3967	117.040	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.983	49811	3344	99.064	2/15/2012 5:13:28 AM EST
5	1202004-21MSD BB21303-MSD1	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.981	50856	3453	101.236	2/15/2012 5:33:57 AM EST
6	1200061 gly low bs 25ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.979	12770	824	22.123	2/15/2012 6:14:58 AM EST
7	1200062 glycol mix 10ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.990	4822	357	5.612	2/15/2012 6:35:31 AM EST
8	1200063 glycol mix 5ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.980	3653	255	3.185	2/15/2012 6:56:01 AM EST
9	CCV 1200060 glycol 50ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	2 butoxyethanol	10.975	27793	1780	53.329	2/15/2012 7:16:33 AM EST

Name : 2 butoxyethanol conf

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.985	98207	6715	215.950	2/14/2012 11:24:35 PM EST
2	1100499 glycol 100ppb SCV accu	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.987	54604	3662	116.863	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.982	55154	3692	118.112	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.985	45172	2995	95.428	2/15/2012 5:13:28 AM EST
5	1202004-21MSD BB21303-MSD1	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.986	45777	2998	96.802	2/15/2012 5:33:57 AM EST
6	1200061 gly low bs 25ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.980	13741	894	24.001	2/15/2012 6:14:58 AM EST
7	1200062 glycol mix 10ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.983	5758	403	5.860	2/15/2012 6:35:31 AM EST
8	1200063 glycol mix 5ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.978	4360	255	2.685	2/15/2012 6:56:01 AM EST
9	CCV 1200060 glycol 50ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	2 butoxyethanol conf	10.987	25030	1721	49.656	2/15/2012 7:16:33 AM EST

Name : di ethylene glycol

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	di ethylene glycol	1.801	7415	620	96.990	2/14/2012 11:24:35 PM EST
2	1100499 glycol 100ppb SCV accu	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	di ethylene glycol	1.802	6056	489	77.479	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	di ethylene glycol	1.800	7121	572	92.765	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	di ethylene glycol	1.799	7382	599	96.519	2/15/2012 5:13:28 AM EST

Project Name: WO 1202004 Dimock

jlg MRM Peaks Summary

Name : di ethylene glycol

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
5	1202004-21MSD BB21303-MSD1	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	di ethylene glycol	1.800	6937	557	90.126	2/15/2012 5:33:57 AM EST
6	1200061 gly low bs 25ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	di ethylene glycol	1.804	2572	214	27.451	2/15/2012 6:14:58 AM EST
7	CCV 1200060 glycol 50ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	di ethylene glycol	1.802	3324	281	38.253	2/15/2012 7:16:33 AM EST

Name : di ethylene glycol conf

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	di ethylene glycol conf	1.786	4015	300		2/14/2012 11:24:35 PM EST
2	1100499 glycol 100ppb SCV accu	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	di ethylene glycol conf	1.805	5155	307	19.081	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	di ethylene glycol conf	1.799	6076	434	63.872	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	di ethylene glycol conf	1.805	3134	250		2/15/2012 5:13:28 AM EST
5	1202004-21MSD BB21303-MSD1	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	di ethylene glycol conf	1.798	4227	250		2/15/2012 5:33:57 AM EST
6	1200062 glycol mix 10ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	di ethylene glycol conf	1.839	2298	111		2/15/2012 6:35:31 AM EST
7	CCV 1200060 glycol 50ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	di ethylene glycol conf	1.804	2141	147		2/15/2012 7:16:33 AM EST

Name : tetra ethylene glycol

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.858	2961468	210719	111.559	2/14/2012 11:24:35 PM EST
2	1100499 glycol 100ppb SCV accu	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.859	2945102	209112	110.852	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.855	2813486	200092	105.166	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.856	2692740	192147	99.950	2/15/2012 5:13:28 AM EST
5	1202004-21MSD BB21303-MSD1	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.857	2716159	194149	100.961	2/15/2012 5:33:57 AM EST
6	1200061 gly low bs 25ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.856	772231	55829	16.983	2/15/2012 6:14:58 AM EST
7	1200062 glycol mix 10ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.854	333638	23848		2/15/2012 6:35:31 AM EST
8	1200063 glycol mix 5ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.858	187596	13491		2/15/2012 6:56:01 AM EST
9	CCV 1200060 glycol 50ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	tetra ethylene glycol	5.859	1452817	104630	46.385	2/15/2012 7:16:33 AM EST

Name : tetra ethylene glycol conf

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.854	1495171	107043	102.688	2/14/2012 11:24:35 PM EST

DIM0207810

DIM0207880

Project Name: WO 1202004 Dimock

jlg MRM Peaks Summary

Name : tetra ethylene glycol conf

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
2	1100499 glycol 100ppb SCV accu	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.855	1472109	104958	100.637	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.852	1434262	102943	97.271	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.853	1324127	95334	87.476	2/15/2012 5:13:28 AM EST
5	1202004-21MSD BB21303-MSD1	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.853	1347519	96261	89.556	2/15/2012 5:33:57 AM EST
6	1200061 gly low bs 25ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.853	387296	28010	4.158	2/15/2012 6:14:58 AM EST
7	1200062 glycol mix 10ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.852	165468	11818		2/15/2012 6:35:31 AM EST
8	1200063 glycol mix 5ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.853	96136	6871		2/15/2012 6:56:01 AM EST
9	CCV 1200060 glycol 50ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	tetra ethylene glycol conf	5.856	741266	53626	35.639	2/15/2012 7:16:33 AM EST

Name : tri ethylene glycol

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.042	832701	58097	99.341	2/14/2012 11:24:35 PM EST
2	1100499 glycol 100ppb SCV accu	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.047	804436	55932	95.078	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.041	850763	59026	102.066	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.043	810141	56194	95.939	2/15/2012 5:13:28 AM EST
5	1202004-21MSD BB21303-MSD1	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.042	747167	51486	86.440	2/15/2012 5:33:57 AM EST
6	1200061 gly low bs 25ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.043	240782	16750	10.058	2/15/2012 6:14:58 AM EST
7	1200062 glycol mix 10ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.039	104491	7422		2/15/2012 6:35:31 AM EST
8	1200063 glycol mix 5ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.035	61396	4203		2/15/2012 6:56:01 AM EST
9	CCV 1200060 glycol 50ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	tri ethylene glycol	3.043	419574	29155	37.027	2/15/2012 7:16:33 AM EST

Name : tri ethylene glycol conf

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
1	1200011 glycol 100ppb SCV accu	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.038	225098	14008	50.675	2/14/2012 11:24:35 PM EST
2	1100499 glycol 100ppb SCV accu	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.043	254953	14113	72.290	2/14/2012 11:45:05 PM EST
3	1200059 glyc100ppbBB21303BS1 CCV	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.040	244260	14825	64.548	2/15/2012 3:51:21 AM EST
4	1202004-21MS BB21303-MS1	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.041	231592	13422	55.377	2/15/2012 5:13:28 AM EST
5	1202004-21MSD BB21303-MSD1	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.040	229174	12159	53.626	2/15/2012 5:33:57 AM EST
6	1200061 gly low bs 25ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.041	104484	4910		2/15/2012 6:14:58 AM EST

DIM0207810

DIM0207881

Project Name: WO 1202004 Dimock

jlg MRM Peaks Summary

Name : tri ethylene glycol conf

	Sample Name	Channel Description	Name	RT	Area	Height	Amount ng/ml	Date Acquired
7	1200062 glycol mix 10ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.030	90115	3033		2/15/2012 6:35:31 AM EST
8	1200063 glycol mix 5ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.033	57774	2285		2/15/2012 6:56:01 AM EST
9	CCV 1200060 glycol 50ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	tri ethylene glycol conf	3.045	111720	7384		2/15/2012 7:16:33 AM EST

DIM0207810

DIM0207882

Sample Set Method: WO 1202004 Dimock glycol run 1

Plate/Well	Inj. Vol. (uL)	For. (ms)	SampleName	Level	Function	Method Set / Report/Method	Run Time (Minutes)	Next In Delay (Minutes)
					Equilibrate	MRM 4 glycol oct 2011	240.00	0.00
2 1:4	30.0	3	1200058 glycol mix 200ppb ultra		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
3 2:1	30.0	1	LCB 1		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
4 1:1	30.0	1	1200055 glycol mix 500ppb ultra	1	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
5 1:2	30.0	1	1200056 glycol mix 400ppb ultra	2	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
6 1:3	30.0	1	1200057 glycol mix 300ppb ultra	3	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
7 1:4	30.0	1	1200058 glycol mix 200ppb ultra	4	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
8 1:5	30.0	1	1200059 glycol mix 100ppb ultra	5	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
9 1:6	30.0	1	1200060 glycol mix 50ppb ultra	6	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
10 1:7	30.0	1	1200061 glycol mix 25ppb ultra	7	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
11 1:8	30.0	1	1200062 glycol mix 10ppb ultra	8	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
12 1:9	30.0	1	1200063 glycol mix 5ppb ultra	9	Inject Standards	MRM 4 glycol oct 2011	13.00	6.00
13 1:10	30.0	1	1200011 glycol 100ppb SCV accu		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
14 1:12	30.0	1	1100499 glycol 100ppb SCV accu		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
15 2:9	30.0	1	LCB 2 - BB21303 BLK1		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
16 2:28	30.0	1	1202004-21		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
17 2:29	30.0	1	1202004-22		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
18 2:30	30.0	1	1202004-23		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
19 2:31	30.0	1	1202004-24		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
20 2:32	30.0	1	1202004-25		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
21 2:33	30.0	1	1202004-26		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
22 2:34	30.0	1	1202004-27		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
23 2:35	30.0	1	1202004-28		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
24 2:36	30.0	1	1202004-29		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
25 2:37	30.0	1	1202004-30		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
26 1:5	30.0	1	1200059 glyc100ppbBB21303BS1 CCV		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
27 2:9	30.0	1	LCB 3		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
28 2:38	30.0	1	1202004-31		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
29 2:39	30.0	1	1202004-32		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
30 2:40	30.0	1	1202004-21MS BB21303-MS1		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
31 2:41	30.0	1	1202004-21MSD BB21303-MSD1		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
32 2:9	30.0	1	LCB 4		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
33 1:7	30.0	1	1200061 gly low bs 25ppb ultra		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
34 1:8	30.0	1	1200062 glycol mix 10ppb ultra		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
35 1:9	30.0	1	1200063 glycol mix 5ppb ultra		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
36 1:6	30.0	1	CCV 1200060 glycol 50ppb ultra		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
37 2:9	30.0	1	LCB 5		Inject Samples	MRM 4 glycol oct 2011	13.00	6.00
38					Equilibrate	MRM glycol mix equil	13.00	0.00

MS Tune Method	MS Calibration Method	SampleWeight	Dilution	analyst	coll date	extr date	hplc column	inst
tetraethylene glycol	Calibration09092011							
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS

Sample Set Method: WO 1202004 Dimock glycol run 1

	MS:line Method	MS:Calibration Method	SampleWeight	Dilution	analyst	coll_date	extr_date	hplc_column	inst
9	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
10	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
11	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
12	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
13	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
14	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
15	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
16	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
17	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
18	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
19	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
20	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
21	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
22	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
23	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
24	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02092012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
25	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
26	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
27	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
28	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
29	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
30	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
31	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg	02102012	02142012	Atlantis dC18 lot:0141301481	TQD-LCMSMS
32	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
33	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
34	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
35	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
36	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
37	tetraethylene glycol	Calibration09092011	1.0000	1.0000	jlg			Atlantis dC18 lot:0141301481	TQD-LCMSMS
38	2methoy infus test	Calibration09092011							

WO 1202004 Dimock as System/Administrator - Project Injections

	Sample Name	Vial	Injection	Sample Type	Date Acquired
1	1200058 glycol mix 200ppb ultra	1:4	1	Unknown	2/14/2012 6:58:05 PM EST
2	1200058 glycol mix 200ppb ultra	1:4	2	Unknown	2/14/2012 7:18:32 PM EST
3	1200058 glycol mix 200ppb ultra	1:4	3	Unknown	2/14/2012 7:38:57 PM EST
4	LCB 1	2:1	1	Unknown	2/14/2012 7:59:27 PM EST
5	1200055 glycol mix 500ppb ultra	1:1	1	Standard	2/14/2012 8:19:56 PM EST
6	1200056 glycol mix 400ppb ultra	1:2	1	Standard	2/14/2012 8:40:26 PM EST
7	1200057 glycol mix 300ppb ultra	1:3	1	Standard	2/14/2012 9:00:56 PM EST
8	1200058 glycol mix 200ppb ultra	1:4	1	Standard	2/14/2012 9:21:27 PM EST
9	1200059 glycol mix 100ppb ultra	1:5	1	Standard	2/14/2012 9:41:58 PM EST
10	1200060 glycol mix 50ppb ultra	1:6	1	Standard	2/14/2012 10:02:31 PM EST
11	1200061 glycol mix 25ppb ultra	1:7	1	Standard	2/14/2012 10:23:04 PM EST
12	1200062 glycol mix 10ppb ultra	1:8	1	Standard	2/14/2012 10:43:37 PM EST
13	1200063 glycol mix 5ppb ultra	1:9	1	Standard	2/14/2012 11:04:05 PM EST
14	1200011 glycol 100ppb SCV accu	1:10	1	Unknown	2/14/2012 11:24:35 PM EST
15	1100499 glycol 100ppb SCV accu	1:12	1	Unknown	2/14/2012 11:45:05 PM EST
16	LCB 2 - BB21303 BLK1	2:9	1	Unknown	2/15/2012 12:05:34 AM EST
17	1202004-21	2:28	1	Unknown	2/15/2012 12:26:05 AM EST
18	1202004-22	2:29	1	Unknown	2/15/2012 12:46:36 AM EST
19	1202004-23	2:30	1	Unknown	2/15/2012 1:07:08 AM EST
20	1202004-24	2:31	1	Unknown	2/15/2012 1:27:42 AM EST
21	1202004-25	2:32	1	Unknown	2/15/2012 1:48:17 AM EST
22	1202004-26	2:33	1	Unknown	2/15/2012 2:08:46 AM EST
23	1202004-27	2:34	1	Unknown	2/15/2012 2:29:15 AM EST
24	1202004-28	2:35	1	Unknown	2/15/2012 2:49:47 AM EST
25	1202004-29	2:36	1	Unknown	2/15/2012 3:10:19 AM EST
26	1202004-30	2:37	1	Unknown	2/15/2012 3:30:50 AM EST
27	1200059 glyc100ppbBB21303BS1 CCV	1:5	1	Unknown	2/15/2012 3:51:21 AM EST
28	LCB 3	2:9	1	Unknown	2/15/2012 4:11:50 AM EST
29	1202004-31	2:38	1	Unknown	2/15/2012 4:32:23 AM EST
30	1202004-32	2:39	1	Unknown	2/15/2012 4:52:55 AM EST
31	1202004-21MS BB21303-MS1	2:40	1	Unknown	2/15/2012 5:13:28 AM EST
32	1202004-21MSD BB21303-MSD1	2:41	1	Unknown	2/15/2012 5:33:57 AM EST
33	LCB 4	2:9	1	Unknown	2/15/2012 5:54:26 AM EST
34	1200061 gly low bs 25ppb ultra	1:7	1	Unknown	2/15/2012 6:14:58 AM EST
35	1200062 glycol mix 10ppb ultra	1:8	1	Unknown	2/15/2012 6:35:31 AM EST
36	1200063 glycol mix 5ppb ultra	1:9	1	Unknown	2/15/2012 6:56:01 AM EST
37	CCV 1200060 glycol 50ppb ultra	1:6	1	Unknown	2/15/2012 7:16:33 AM EST
38	LCB 5	2:9	1	Unknown	2/15/2012 7:37:03 AM EST

	Sample Set Name
1	WO 1202004 Dimock glycol run 1
2	WO 1202004 Dimock glycol run 1
3	WO 1202004 Dimock glycol run 1
4	WO 1202004 Dimock glycol run 1

	Sample Set Name
5	WO 1202004 Dimock glycol run 1
6	WO 1202004 Dimock glycol run 1
7	WO 1202004 Dimock glycol run 1
8	WO 1202004 Dimock glycol run 1

	Sample Set Name
9	WO 1202004 Dimock glycol run 1
10	WO 1202004 Dimock glycol run 1
11	WO 1202004 Dimock glycol run 1
12	WO 1202004 Dimock glycol run 1

WO 1202004 Dimock as System/Administrator - Project Injections

	Sample Set Name
13	WO 1202004 Dimock glycol run 1
14	WO 1202004 Dimock glycol run 1
15	WO 1202004 Dimock glycol run 1
16	WO 1202004 Dimock glycol run 1
17	WO 1202004 Dimock glycol run 1
18	WO 1202004 Dimock glycol run 1
19	WO 1202004 Dimock glycol run 1
20	WO 1202004 Dimock glycol run 1
21	WO 1202004 Dimock glycol run 1
22	WO 1202004 Dimock glycol run 1
23	WO 1202004 Dimock glycol run 1
24	WO 1202004 Dimock glycol run 1
25	WO 1202004 Dimock glycol run 1
26	WO 1202004 Dimock glycol run 1
27	WO 1202004 Dimock glycol run 1
28	WO 1202004 Dimock glycol run 1
29	WO 1202004 Dimock glycol run 1
30	WO 1202004 Dimock glycol run 1
31	WO 1202004 Dimock glycol run 1
32	WO 1202004 Dimock glycol run 1
33	WO 1202004 Dimock glycol run 1
34	WO 1202004 Dimock glycol run 1
35	WO 1202004 Dimock glycol run 1
36	WO 1202004 Dimock glycol run 1
37	WO 1202004 Dimock glycol run 1
38	WO 1202004 Dimock glycol run 1

Method Set: WO 1202004 Dimockglyc proc

Stored: 2/17/2012 5:49:42 PM EST

General Information

Method Comments

Method Modified User System

Method Locked No

Method Id 2628

Method Version 2

Method Edit User

Source S/W Info Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731

Instrument Method MRM 4 glycol oct 2011

Report Method

3D Blank Chromatogram

Processing Method

Export Method

Store Derived Channel No

Delete 3D Chrom No

Method Set Table

Channel Name	Processing Method	Report Method
1 TQ 1: MRM Ch1	WO 1202004 Dimock gly proc	
2 TQ 1: MRM Ch2	WO 1202004 Dimock gly proc	
3 TQ 2: MRM Ch1	WO 1202004 Dimock gly proc	
4 TQ 2: MRM Ch2	WO 1202004 Dimock gly proc	
5 TQ 3: MRM Ch1	WO 1202004 Dimock gly proc	
6 TQ 3: MRM Ch2	WO 1202004 Dimock gly proc	
7 TQ 4: MRM Ch1	WO 1202004 Dimock gly proc	
8 TQ 4: MRM Ch2	WO 1202004 Dimock gly proc	

Revision History

Version 2 2/17/2012 5:49:42 PM EST User System

Version 1 2/17/2012 5:49:07 PM EST User System

Method Version Summaries

	Method Name	Method Type	Method Comments	Method Date	Method Modified User	Method Locked
1	WO 1202004 Dimockglyc proc	Method Set		2/17/2012 5:49:42 PM EST	System	No
2	WO 1202004 Dimockglyc proc	Method Set		2/17/2012 5:49:07 PM EST	System	No

Method Version Summaries

Method Id	Method Version	Source S/W Info
1	2628	2 Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731
2	2627	1 Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731

Reported by User: System

Project Name: WO 1202004 Dimock

Report Method: Untitled

Date Printed:

Report Method ID: 116

2/17/2012

Page: 1 of 1

5:50:05 PM US/Eastern

Processing Method: WO 1202004 Dimock gly proc

Type: LC

Stored: 2/17/2012 5:47:44 PM EST

Method Information

Method Comments	
Method Modified User	System
Method Locked	No
Method Id	2624
Method Version	3
Method Edit User	
Source S/W Info	Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731
Integration Algorithm	Traditional
Average By	None
RT Window %	5.00
Update RT	Never
CCalRef1	
Include Internal Standard Amounts in Amount Calculation	No
Vial/Default Value Type	Amount

Integration Parameters

Minimum Area	1500(µV*sec)
Minimum Height	15(µV)
Threshold	2.000(µV/sec)
Peak Width	15.00(sec)

Processing Method Group 'Integration Events' table contains no data.

Component Table

	Name	Peak Label	Retention Time (min)	RT Window (min)	Channel	Peak Match	Y Value	X Value	Fit
1	di ethylene glycol		1.801	0.090	TQ 1: MRM Ch1	Closest	Area	Amount	Linear
2	di ethylene glycol conf		1.801	0.090	TQ 1: MRM Ch2	Closest	Area	Amount	Linear
3	tri ethylene glycol		3.044	0.152	TQ 2: MRM Ch1	Closest	Area	Amount	Linear
4	tri ethylene glycol conf		3.044	0.152	TQ 2: MRM Ch2	Closest	Area	Amount	Linear
5	tetra ethylene glycol		5.859	0.293	TQ 3: MRM Ch1	Closest	Area	Amount	Linear
6	tetra ethylene glycol conf		5.859	0.293	TQ 3: MRM Ch2	Closest	Area	Amount	Linear
7	2 butoxyethanol conf		10.859	0.543	TQ 4: MRM Ch1	Closest	Area	Amount	Linear
8	2 butoxyethanol		10.859	0.543	TQ 4: MRM Ch2	Closest	Area	Amount	Linear

Component Table

	Weighting	Internal Std	RT Reference	Rel RT Reference	Rel Resol Reference	Curve Reference	Relative Response	Must	Default Pk
1	None						1.000000	No	No
2	None						1.000000	No	No
3	None						1.000000	No	No

Reported by User: System

Project Name: WO 1202004 Dimock

Report Method: Untitled

Date Printed:

Report Method ID: 117

2/17/2012

Page: 1 of 5

5:50:07 PM US/Eastern

Component Table

	Weighting	Internal Std	RT Reference	Rel RT Reference	Rel Resol Reference	Curve Reference	Relative Response	Must	Default Pk
4	None						1.000000	No	No
5	None						1.000000	No	No
6	None						1.000000	No	No
7	None						1.000000	No	No
8	None						1.000000	No	No

Component Table

	Default Pk Start (min)	Default Pk End (min)	Default Units	Type	CCompRef1	CCompRef2	CCompRef3	CConst1	CConst2	CConst3
1				Single						
2				Single						
3				Single						
4				Single						
5				Single						
6				Single						
7				Single						
8				Single						

Component Table

	CConst4	CConst5	CConst6	CConst7
1				
2				
3				
4				
5				
6				
7				
8				

Processing Method Group 'Name Groups' table contains no data.

Processing Method Group 'Time Groups' table contains no data.

Def Amts-'di ethylene
glycol'

Level	Default Value
1 3	300.000000
2 4	200.000000
3 5	100.000000
4 6	50.000000
5 7	25.000000
6 1	500.000000
7 2	400.000000

Reported by User: System

Report Method: Untitled

Report Method ID: 117

Page: 2 of 5

Project Name: WO 1202004 Dimock

Date Printed:

2/17/2012

5:50:07 PM US/Eastern

Def Amts-di ethylene
glycol conf

Level	Default Value
1	3
2	4
3	1
4	2

Def Amts-tri ethylene
glycol'

Level	Default Value
1	3
2	4
3	5
4	6
5	7
6	1
7	2

Def Amts-tri ethylene
glycol conf'

Level	Default Value
1	3
2	4
3	1
4	2

Def Amts-tetra ethylene
glycol'

Level	Default Value
1	3
2	4
3	5
4	6
5	7
6	1
7	2

Def Amts-tetra ethylene
glycol conf

Level	Default Value
1	3
2	4
3	1
4	2

Reported by User: System

Report Method: Untitled

Report Method ID: 117

Page: 3 of 5

Project Name: WO 1202004 Dimock

Date Printed:

2/17/2012

5:50:07 PM US/Eastern

Def Amts-2
butoxyethanol conf

	Level	Default Value
1	3	300.000000
2	4	200.000000
3	5	100.000000
4	6	50.000000
5	7	25.000000
6	8	10.000000
7	1	500.000000
8	2	400.000000

Def Amts-2
butoxyethanol'

	Level	Default Value
1	3	300.000000
2	4	200.000000
3	5	100.000000
4	6	50.000000
5	7	25.000000
6	8	10.000000
7	9	5.000000
8	1	500.000000
9	2	400.000000

Noise and Drift Parameters

Calculate Detector Noise and Drift No
 Detector Noise and Drift Start Time 6.500(Minutes)
 Detector Noise and Drift End Time 7.000(Minutes)
 Detector Noise and Drift Segment Width 10(sec)

Concentration Smoothing/Offset Parameters

Time Offset 0.000(Minutes)
 Smoothing Type Mean
 Smoothing Level 13
 Empty parameters supersede the derived channel's smoothing and offset parameters No

Revision History

Version 3 2/17/2012 5:47:44 PM EST User System
 Version 2 2/17/2012 5:47:21 PM EST User System
 Version 1 2/17/2012 5:41:36 PM EST User System

Method Version Summaries

	Method Name	Method Type	Method Comments	Method Date	Method Modified User	Method Locked
1	WO 1202004 Dimock gly proc	Processing		2/17/2012 5:47:44 PM EST	System	No
2	WO 1202004 Dimock gly proc	Processing		2/17/2012 5:47:21 PM EST	System	No
3	WO 1202004 Dimock gly proc	Processing		2/17/2012 5:41:36 PM EST	System	No

Reported by User: System
 Report Method: Untitled
 Report Method ID: 117
 Page: 4 of 5

Project Name: WO 1202004 Dimock
 Date Printed: 2/17/2012
 5:50:07 PM US/Eastern

Method Version Summaries

Method Id	Method Version	Source S/W Info
1	2624	3 Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731
2	2623	2 Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731
3	2622	1 Empower 2 Software Build 2154 SPs Installed: Feature Release 5 DB ID: 824652731

Reported by User: System
Report Method: Untitled
Report Method ID: 117
Page: 5 of 5

Project Name: WO 1202004 Dimock
Date Printed: 2/17/2012
5:50:07 PM US/Eastern

Project Name: WO 1202004 Dimock

jlg MRM stab ck Summary w_avg

Component Summary For Amount
Channel: TQ 1: MRM Ch1

	SampleName	Inj	Channel	Vial	Date Acquired	di ethylene glycol
1	1200058 glycol mix 200ppb ultra	1	TQ 1: MRM Ch1	1:4	2/14/2012 6:58:05 PM EST	178.214
2	1200058 glycol mix 200ppb ultra	2	TQ 1: MRM Ch1	1:4	2/14/2012 7:18:32 PM EST	176.197
3	1200058 glycol mix 200ppb ultra	3	TQ 1: MRM Ch1	1:4	2/14/2012 7:38:57 PM EST	193.178
Mean						182.530
Std. Dev.						9.277

Component Summary For Amount
Channel: TQ 1: MRM Ch2

	SampleName	Inj	Channel	Vial	Date Acquired	di ethylene glycol conf
1	1200058 glycol mix 200ppb ultra	1	TQ 1: MRM Ch2	1:4	2/14/2012 6:58:05 PM EST	129.132
2	1200058 glycol mix 200ppb ultra	2	TQ 1: MRM Ch2	1:4	2/14/2012 7:18:32 PM EST	101.160
3	1200058 glycol mix 200ppb ultra	3	TQ 1: MRM Ch2	1:4	2/14/2012 7:38:57 PM EST	148.263
Mean						126.185
Std. Dev.						23.689

Component Summary For Amount
Channel: TQ 2: MRM Ch1

	SampleName	Inj	Channel	Vial	Date Acquired	tri ethylene glycol
1	1200058 glycol mix 200ppb ultra	1	TQ 2: MRM Ch1	1:4	2/14/2012 6:58:05 PM EST	206.469
2	1200058 glycol mix 200ppb ultra	2	TQ 2: MRM Ch1	1:4	2/14/2012 7:18:32 PM EST	211.394
3	1200058 glycol mix 200ppb ultra	3	TQ 2: MRM Ch1	1:4	2/14/2012 7:38:57 PM EST	209.692
Mean						209.185
Std. Dev.						2.502

Component Summary For Amount
Channel: TQ 2: MRM Ch2

	SampleName	Inj	Channel	Vial	Date Acquired	tri ethylene glycol conf
1	1200058 glycol mix 200ppb ultra	1	TQ 2: MRM Ch2	1:4	2/14/2012 6:58:05 PM EST	197.481
2	1200058 glycol mix 200ppb ultra	2	TQ 2: MRM Ch2	1:4	2/14/2012 7:18:32 PM EST	202.997

no criteria for stability check

4/20/12

Project Name: WO 1202004 Dimock

jlg MRM stab ck Summary w_avg

Component Summary For Amount Channel: TQ 2: MRM Ch2

	SampleName	Inj	Channel	Vial	Date Acquired	tri ethylene glycol conf
3	1200058 glycol mix 200ppb ultra	3	TQ 2: MRM Ch2	1:4	2/14/2012 7:38:57 PM EST	187.846
Mean						196.108
Std. Dev.						7.668

Component Summary For Amount Channel: TQ 3: MRM Ch1

	SampleName	Inj	Channel	Vial	Date Acquired	tetra ethylene glycol
1	1200058 glycol mix 200ppb ultra	1	TQ 3: MRM Ch1	1:4	2/14/2012 6:58:05 PM EST	210.881
2	1200058 glycol mix 200ppb ultra	2	TQ 3: MRM Ch1	1:4	2/14/2012 7:18:32 PM EST	207.817
3	1200058 glycol mix 200ppb ultra	3	TQ 3: MRM Ch1	1:4	2/14/2012 7:38:57 PM EST	217.329
Mean						212.009
Std. Dev.						4.855

Component Summary For Amount Channel: TQ 3: MRM Ch2

	SampleName	Inj	Channel	Vial	Date Acquired	tetra ethylene glycol conf
1	1200058 glycol mix 200ppb ultra	1	TQ 3: MRM Ch2	1:4	2/14/2012 6:58:05 PM EST	205.739
2	1200058 glycol mix 200ppb ultra	2	TQ 3: MRM Ch2	1:4	2/14/2012 7:18:32 PM EST	203.109
3	1200058 glycol mix 200ppb ultra	3	TQ 3: MRM Ch2	1:4	2/14/2012 7:38:57 PM EST	211.004
Mean						206.617
Std. Dev.						4.020

Component Summary For Amount Channel: TQ 4: MRM Ch1

	SampleName	Inj	Channel	Vial	Date Acquired	2 butoxyethanol conf
1	1200058 glycol mix 200ppb ultra	1	TQ 4: MRM Ch1	1:4	2/14/2012 6:58:05 PM EST	184.799
2	1200058 glycol mix 200ppb ultra	2	TQ 4: MRM Ch1	1:4	2/14/2012 7:18:32 PM EST	205.758
3	1200058 glycol mix 200ppb ultra	3	TQ 4: MRM Ch1	1:4	2/14/2012 7:38:57 PM EST	197.975
Mean						196.177
Std. Dev.						10.594

DIM0207810

DIM0207894

Project Name: WO 1202004 Dimock

jlg MRM stab ck Summary w_avg

**Component Summary For Amount
Channel: TQ 4: MRM Ch2**

	SampleName	Inj	Channel	Vial	Date Acquired	2 butoxyethanol
1	1200058 glycol mix 200ppb ultra	1	TQ 4: MRM Ch2	1:4	2/14/2012 6:58:05 PM EST	180.690
2	1200058 glycol mix 200ppb ultra	2	TQ 4: MRM Ch2	1:4	2/14/2012 7:18:32 PM EST	191.636
3	1200058 glycol mix 200ppb ultra	3	TQ 4: MRM Ch2	1:4	2/14/2012 7:38:57 PM EST	195.912
Mean						189.413
Std. Dev.						7.851

DIM0207810

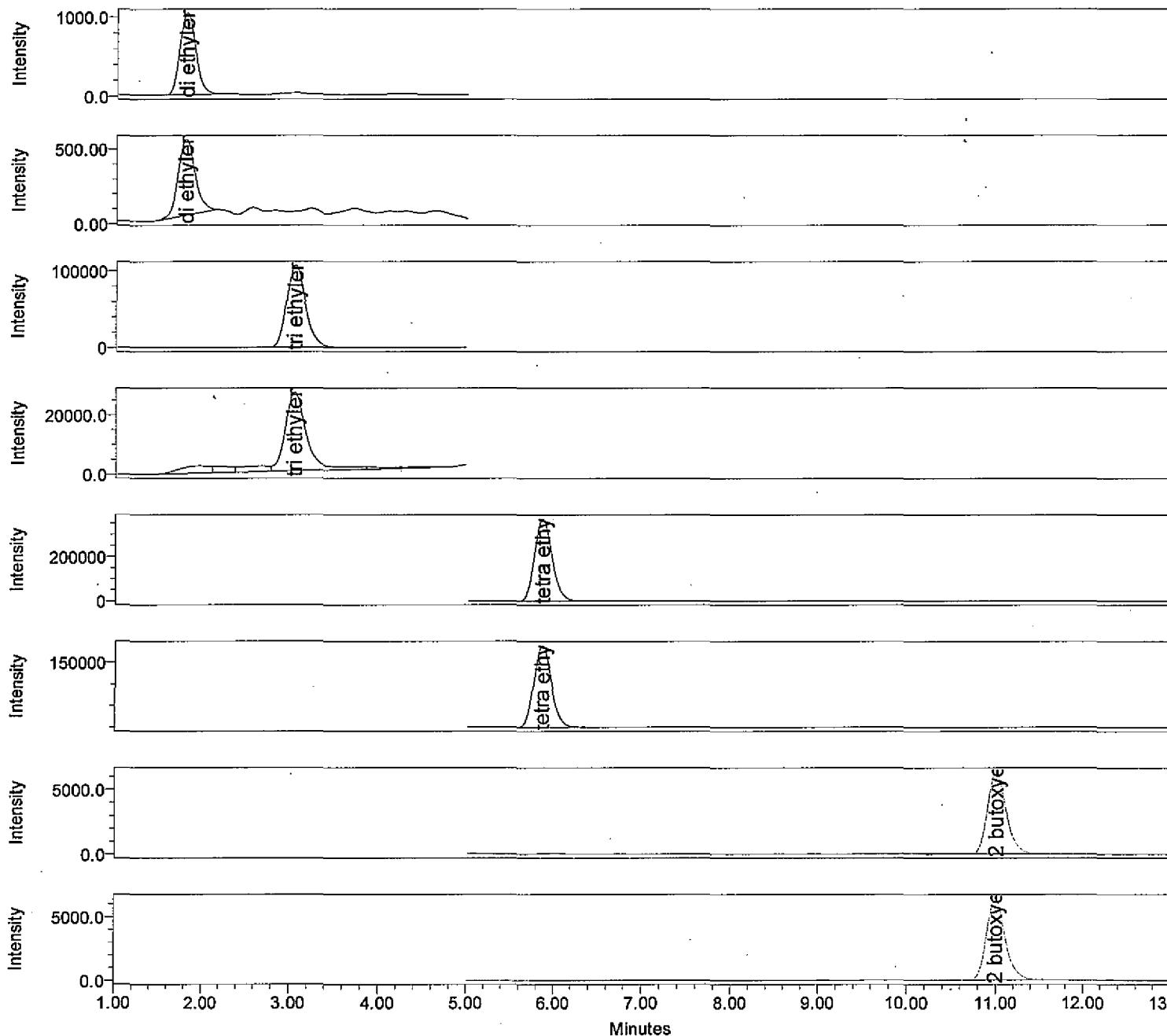
DIM0207895

Date Acquired 2/14/2012 7:18:32 PM EST SampleName 1200058 glycol mix 200ppb ultra

Processing Method WO 1202004 Dimock gly proc

jlg TQD Summary

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date coll_date analyst jlg Vial 1:4

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 7:18:32 PM EST Injection Volume 30.00 μ L
Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	di ethylene glycol	1.805	1200058 glycol mix 200ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	12931	1027	176.2	BB

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	di ethylene glycol conf	1.801	1200058 glycol mix 200ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	6843	504	101.2	BB

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	tri ethylene glycol	3.051	1200058 glycol mix 200ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	1575574	107091	211.4	VV

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	tri ethylene glycol conf	3.046	1200058 glycol mix 200ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	435487	26351	203.0	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	tetra ethylene glycol	5.870	1200058 glycol mix 200ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	5189652	369718	207.8	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	tetra ethylene glycol conf	5.866	1200058 glycol mix 200ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2624319	188162	203.1	BB

Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	2 butoxyethanol conf	11.002	1200058 glycol mix 200ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	93722	6319	205.8	VB

Name: 2 butoxyethanol

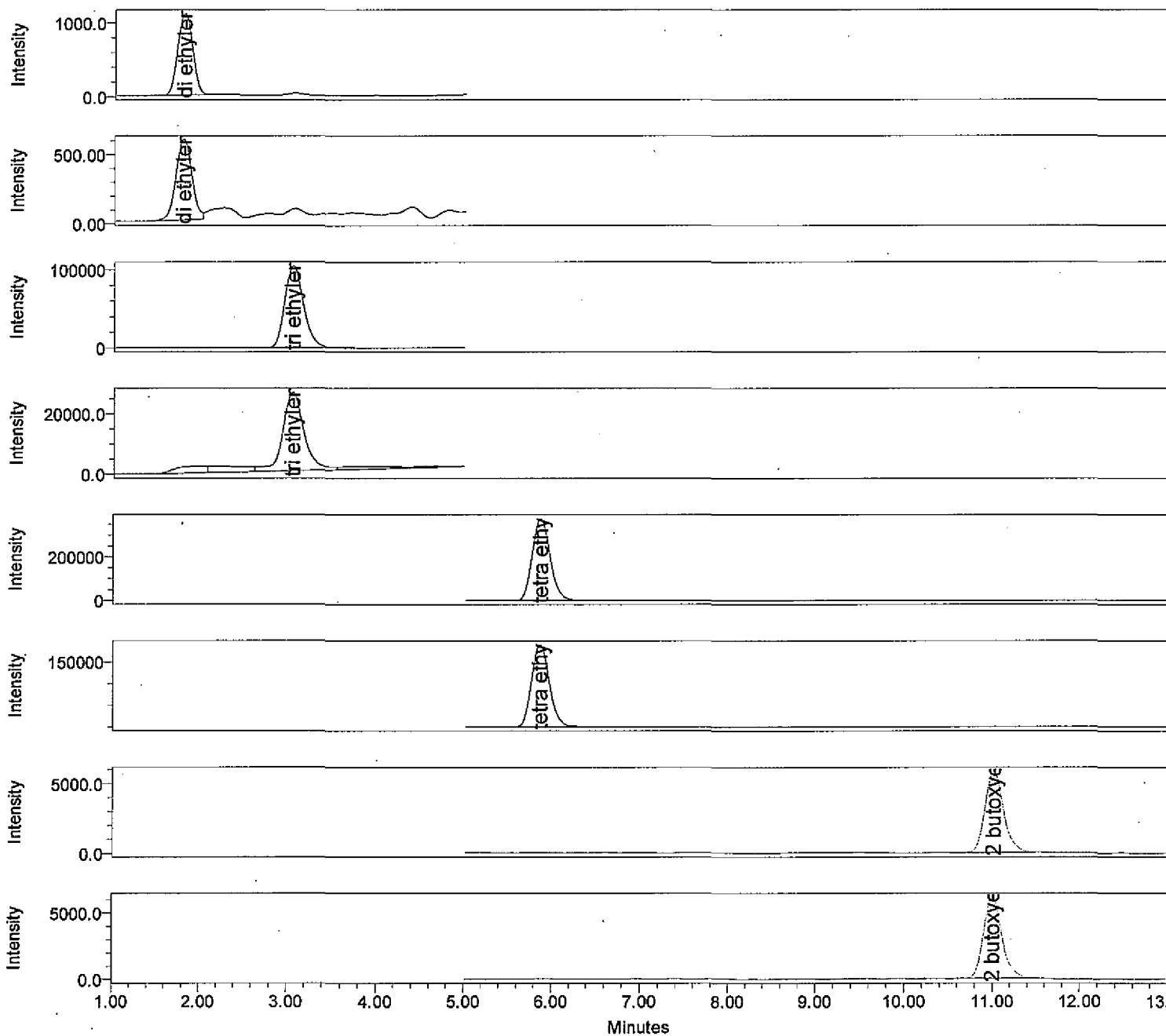
	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	2 butoxyethanol	10.997	1200058 glycol mix 200ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	94377	6367	191.6	BB

Date Acquired 2/14/2012 6:58:05 PM EST SampleName 1200058 glycol mix 200ppb ultra

Processing Method WO 1202004 Dimock gly proc

jlg TQD Summary

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date coll_date analyst jlg Vial 1:4
 Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 6:58:05 PM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.800	1200058 glycol mix 200ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	13072	1095	178.2	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.797	1200058 glycol mix 200ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	7418	579	129.1	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.047	1200058 glycol mix 200ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	1542918	104541	206.5	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.044	1200058 glycol mix 200ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	427869	25852	197.5	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.865	1200058 glycol mix 200ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	5260568	374705	210.9	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.861	1200058 glycol mix 200ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2653889	189075	205.7	BV

Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	11.006	1200058 glycol mix 200ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	84499	5796	184.8	VB

Name: 2 butoxyethanol

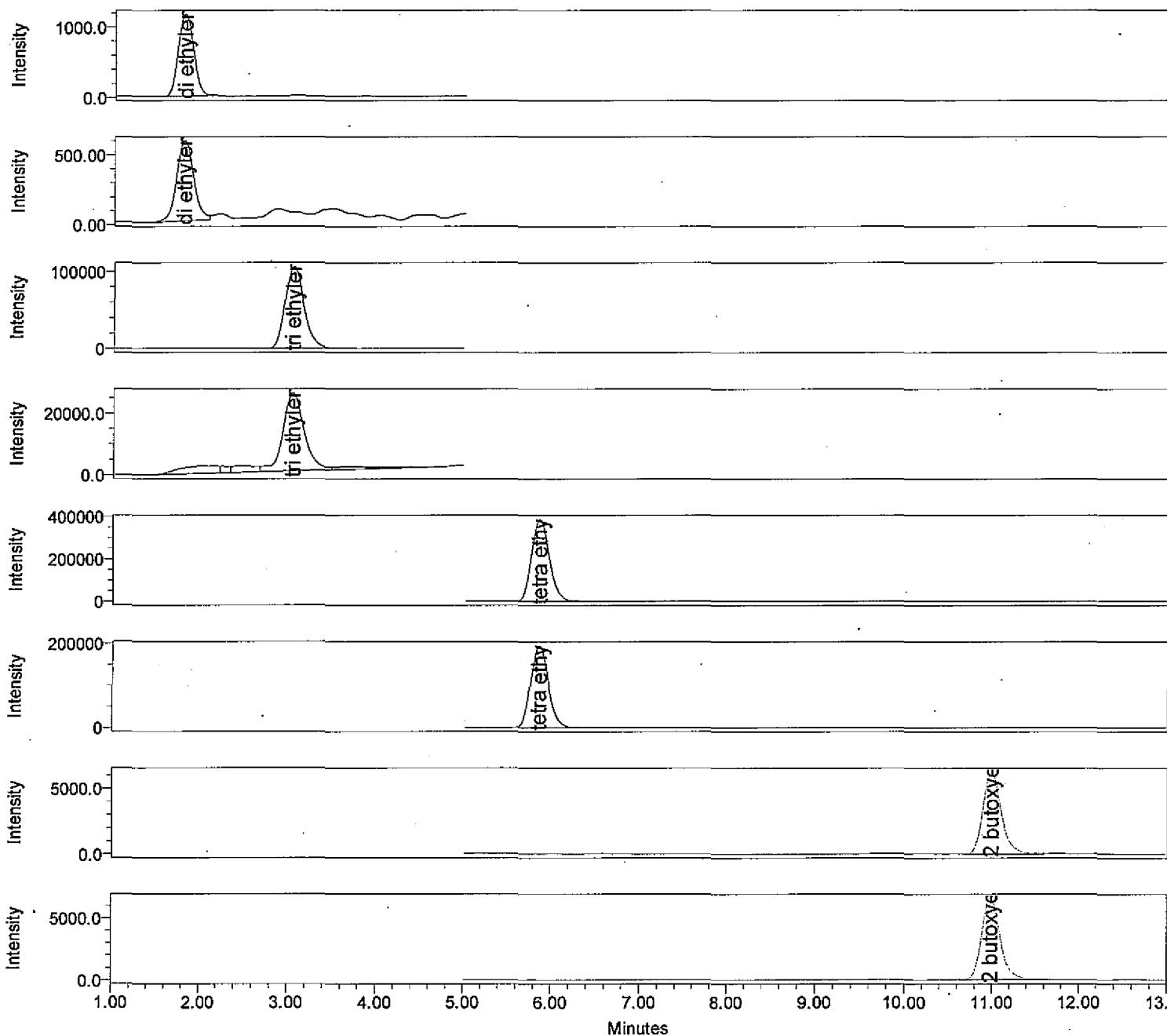
Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	11.001	1200058 glycol mix 200ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	89107	6103	180.7	BB

Date Acquired 2/14/2012 7:38:57 PM EST SampleName 1200058 glycol mix 200ppb ultra

Processing Method WO 1202004 Dimock gly proc

jlg TQD Summary

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date coll_date analyst jlg Vial 1:4

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 7:38:57 PM EST Injection Volume 30.00 uL
Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.801	1200058 glycol mix 200ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	14114	1152	193.2	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.800	1200058 glycol mix 200ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	7811	571	148.3	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.046	1200058 glycol mix 200ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	1564287	106189	209.7	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.042	1200058 glycol mix 200ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	414561	25315	187.8	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.861	1200058 glycol mix 200ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	5409819	386446	217.3	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.858	1200058 glycol mix 200ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2713095	194433	211.0	VV

Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.990	1200058 glycol mix 200ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	90297	6183	198.0	BV

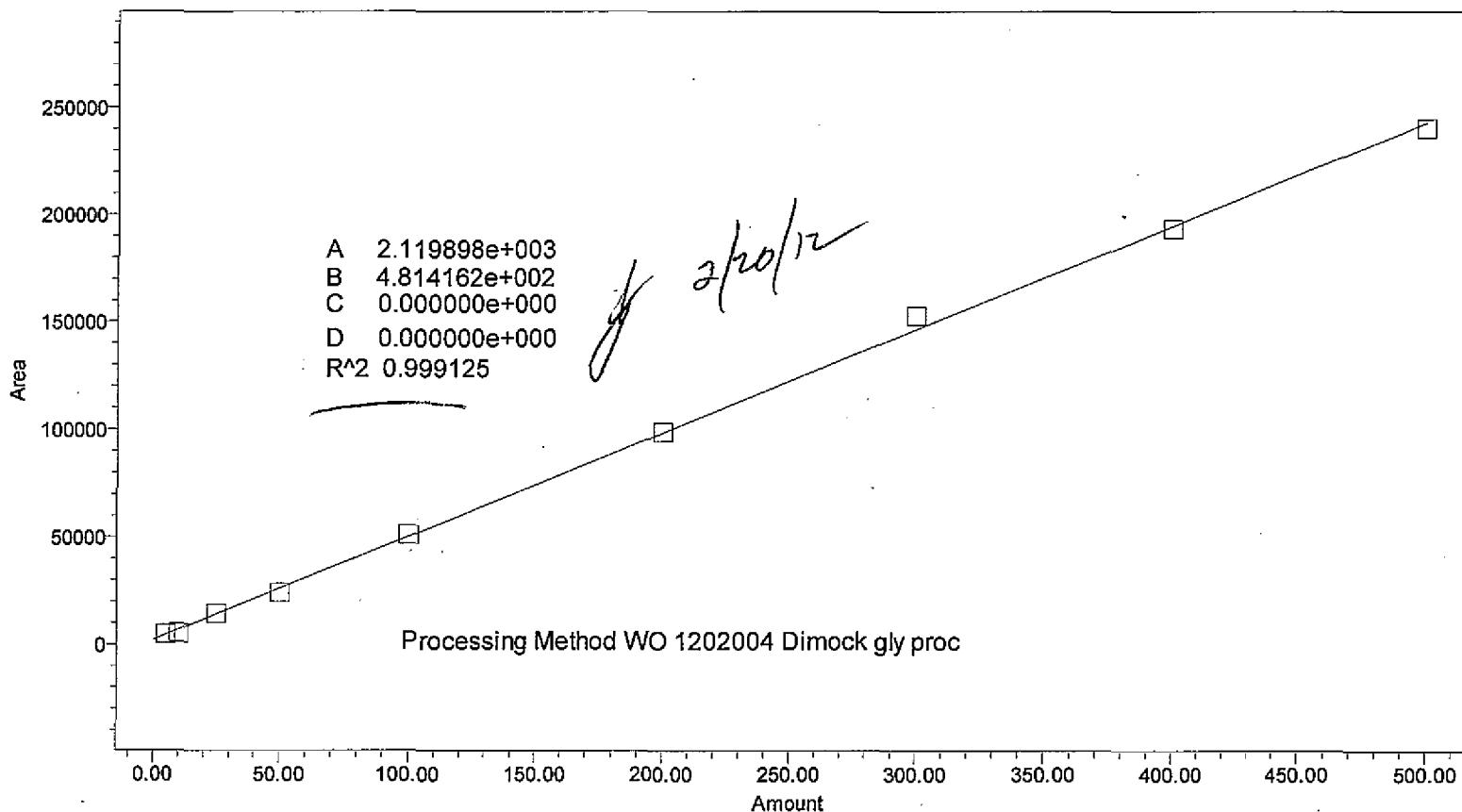
Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.987	1200058 glycol mix 200ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	96435	6543	195.9	BB

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 4: MRM Ch2
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:18 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2815

Calibration Plot



	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	2 butoxyethanol	9	5.0	4785.0	5.5	10.7	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
2	2 butoxyethanol	8	10.0	5307.6	6.6	-33.8	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
3	2 butoxyethanol	7	25.0	14329.4	25.4	1.4	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
4	2 butoxyethanol	6	50.0	24021.0	45.5	-9.0	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
5	2 butoxyethanol	5	100.0	51293.2	102.1	2.1	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
6	2 butoxyethanol	4	200.0	98617.7	200.4	0.2	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
7	2 butoxyethanol	3	300.0	152704.0	312.8	4.3	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
8	2 butoxyethanol	2	400.0	193227.1	397.0	-0.8	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14
9	2 butoxyethanol	1	500.0	240245.9	494.6	-1.1	No	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14

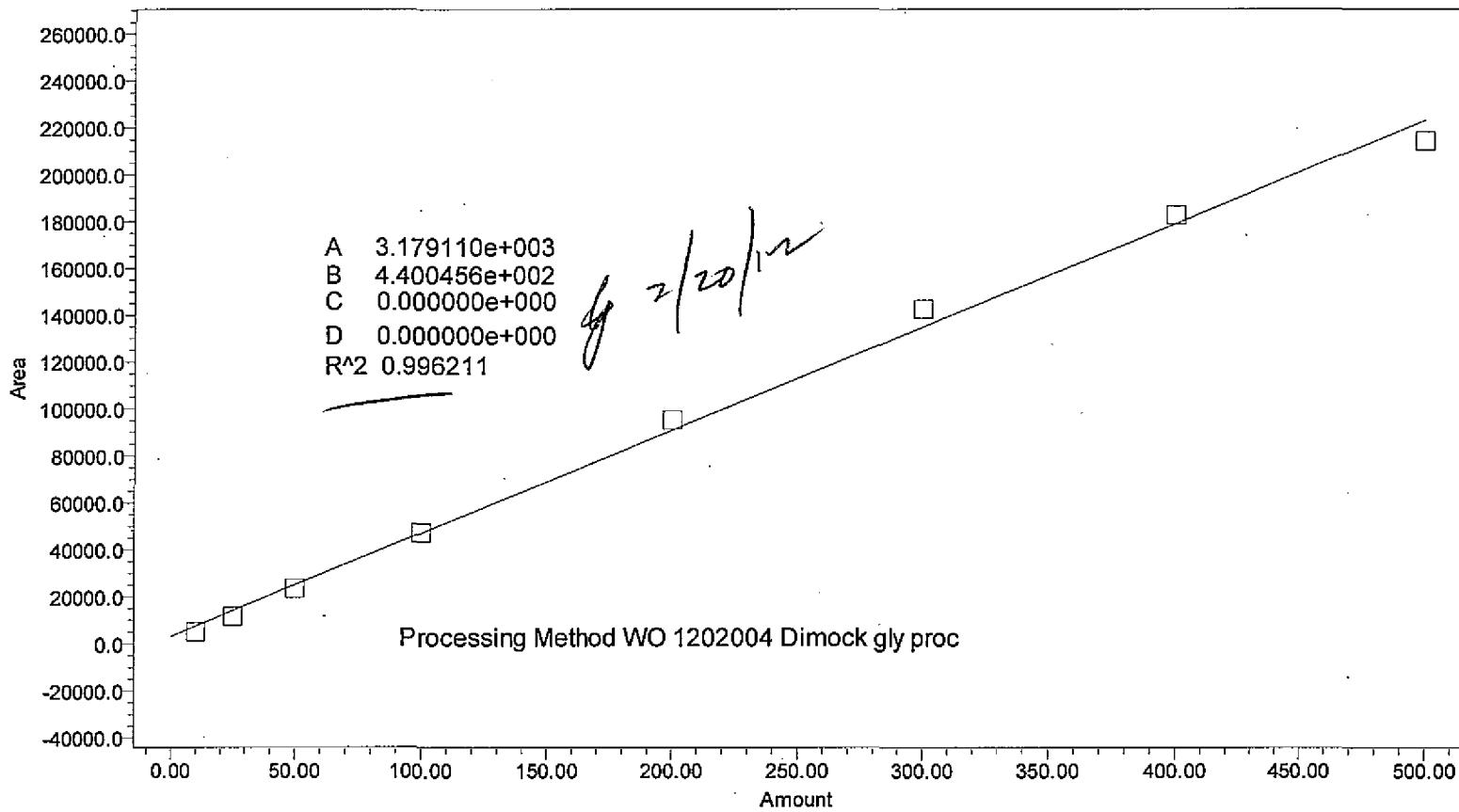
Peak: 2 butoxyethanol

	Date Acquired		Date Acquired		Date Acquired
1	2/14/2012 11:04:05 PM EST		4	2/14/2012 10:02:31 PM EST	
2	2/14/2012 10:43:37 PM EST		5	2/14/2012 9:41:58 PM EST	
3	2/14/2012 10:23:04 PM EST		6	2/14/2012 9:21:27 PM EST	
					7 2/14/2012 9:00:56 PM EST
					8 2/14/2012 8:40:26 PM EST
					9 2/14/2012 8:19:56 PM EST

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 4: MRM Ch1
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:16 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2805

Calibration Plot



	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	2 butoxyethanol conf	8	10.0	5157.9	4.5	-55.0	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20
2	2 butoxyethanol conf	7	25.0	11581.4	19.1	-23.6	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20
3	2 butoxyethanol conf	6	50.0	23565.9	46.3	-7.3	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20
4	2 butoxyethanol conf	5	100.0	47318.9	100.3	0.3	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20
5	2 butoxyethanol conf	4	200.0	95339.2	209.4	4.7	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20
6	2 butoxyethanol conf	3	300.0	142651.4	316.9	5.6	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20
7	2 butoxyethanol conf	2	400.0	182766.8	408.1	2.0	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20
8	2 butoxyethanol conf	1	500.0	214523.7	480.3	-3.9	No	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20

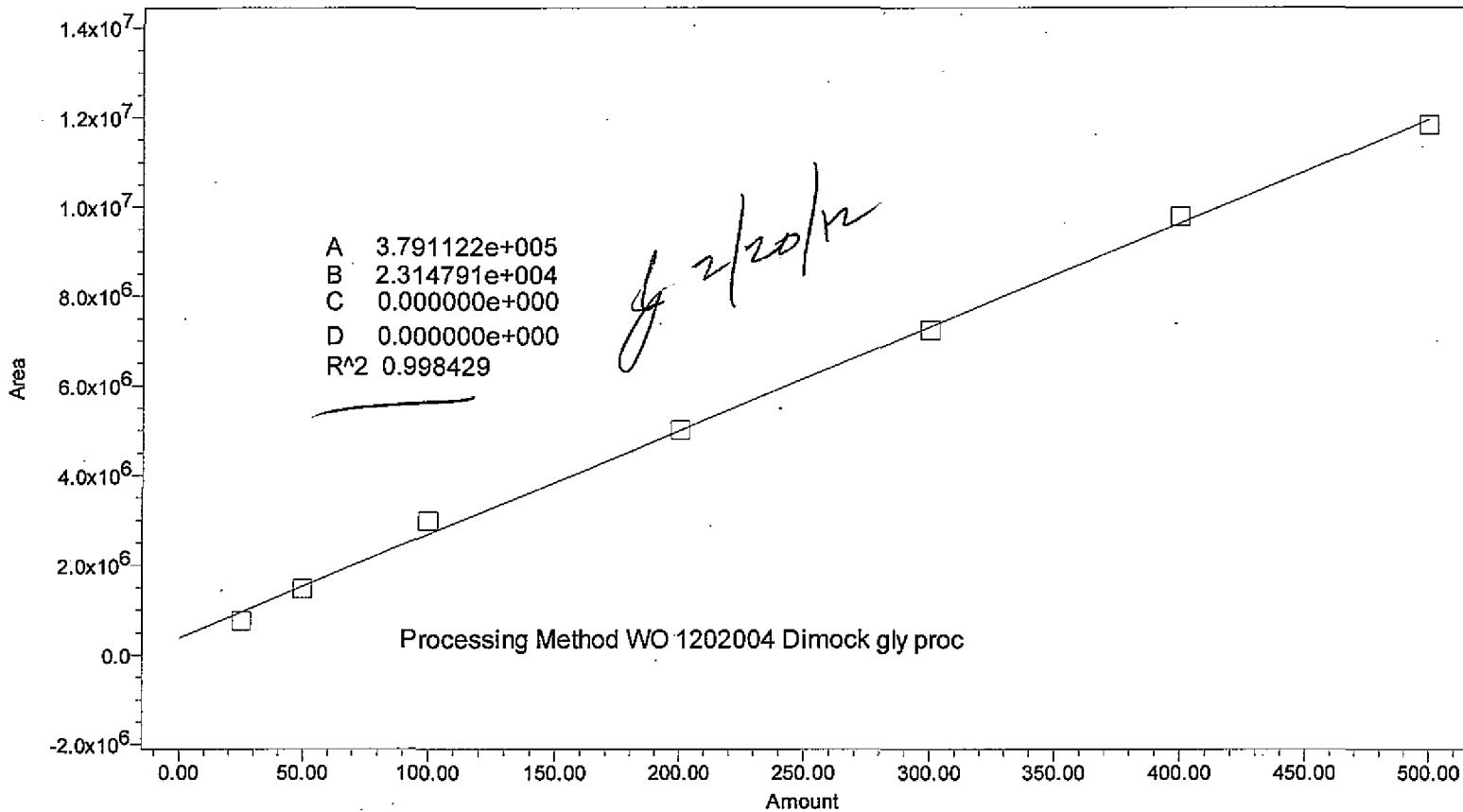
Peak: 2 butoxyethanol conf

	Date Acquired		Date Acquired
1	2/14/2012 10:43:37 PM EST	5	2/14/2012 9:21:27 PM EST
2	2/14/2012 10:23:04 PM EST	6	2/14/2012 9:00:56 PM EST
3	2/14/2012 10:02:31 PM EST	7	2/14/2012 8:40:26 PM EST
4	2/14/2012 9:41:58 PM EST	8	2/14/2012 8:19:56 PM EST

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 3: MRM Ch1
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:12 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2785

Calibration Plot



	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	tetra ethylene glycol	7	25.0	765237.1	16.7	-33.3	No	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22
2	tetra ethylene glycol	6	50.0	1473789.3	47.3	-5.4	No	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22
3	tetra ethylene glycol	5	100.0	2990807.9	112.8	12.8	No	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22
4	tetra ethylene glycol	4	200.0	5019497.5	200.5	0.2	No	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22
5	tetra ethylene glycol	3	300.0	7242197.5	296.5	-1.2	No	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22
6	tetra ethylene glycol	2	400.0	9777771.4	406.0	1.5	No	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22
7	tetra ethylene glycol	1	500.0	11842439.2	495.2	-1.0	No	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22

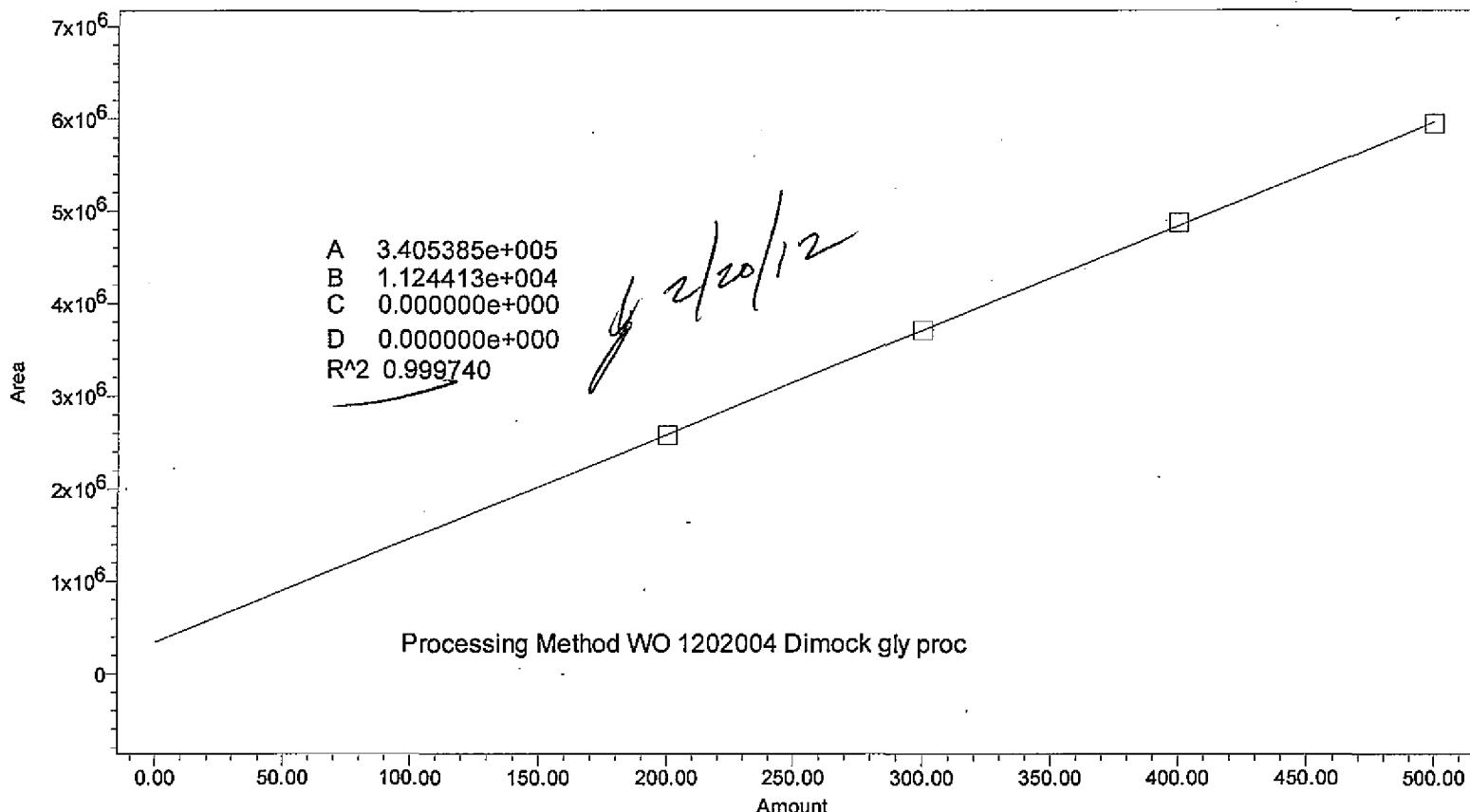
Peak: tetra ethylene glycol

	Date Acquired		Date Acquired
1	2/14/2012 10:23:04 PM EST	6	2/14/2012 8:40:26 PM EST
2	2/14/2012 10:02:31 PM EST	7	2/14/2012 8:19:56 PM EST
3	2/14/2012 9:41:58 PM EST		
4	2/14/2012 9:21:27 PM EST		
5	2/14/2012 9:00:56 PM EST		

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 3: MRM Ch2
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:14 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2795

Calibration Plot



Peak: tetra ethylene glycol conf

	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	tetra ethylene glycol conf	4	200.0	2580462.3	199.2	-0.4	No	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20
2	tetra ethylene glycol conf	3	300.0	3710490.9	299.7	-0.1	No	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20
3	tetra ethylene glycol conf	2	400.0	4871464.4	403.0	0.7	No	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20
4	tetra ethylene glycol conf	1	500.0	5941513.2	498.1	-0.4	No	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20

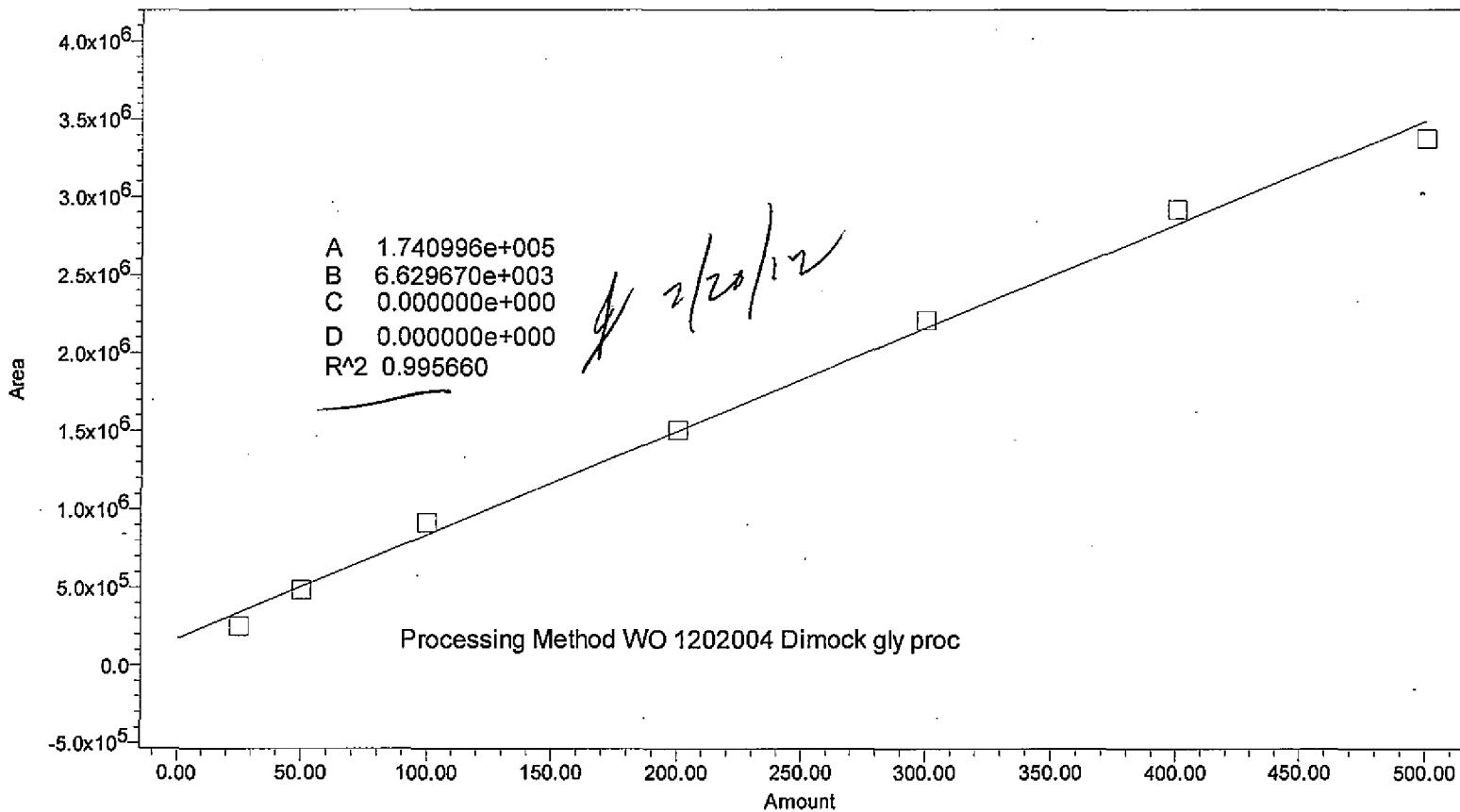
Peak: tetra ethylene glycol conf

	Date Acquired
1	2/14/2012 9:21:27 PM EST
2	2/14/2012 9:00:56 PM EST
3	2/14/2012 8:40:26 PM EST
4	2/14/2012 8:19:56 PM EST

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 2: MRM Ch1
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:09 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2765

Calibration Plot



Peak: tri ethylene glycol

	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	tri ethylene glycol	7	25.0	250867.7	11.6	-53.7	No	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26
2	tri ethylene glycol	6	50.0	485120.7	46.9	-6.2	No	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26
3	tri ethylene glycol	5	100.0	913945.2	111.6	11.6	No	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26
4	tri ethylene glycol	4	200.0	1507200.0	201.1	0.5	No	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26
5	tri ethylene glycol	3	300.0	2209349.9	307.0	2.3	No	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26
6	tri ethylene glycol	2	400.0	2918960.5	414.0	3.5	No	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26
7	tri ethylene glycol	1	500.0	3374983.4	482.8	-3.4	No	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26

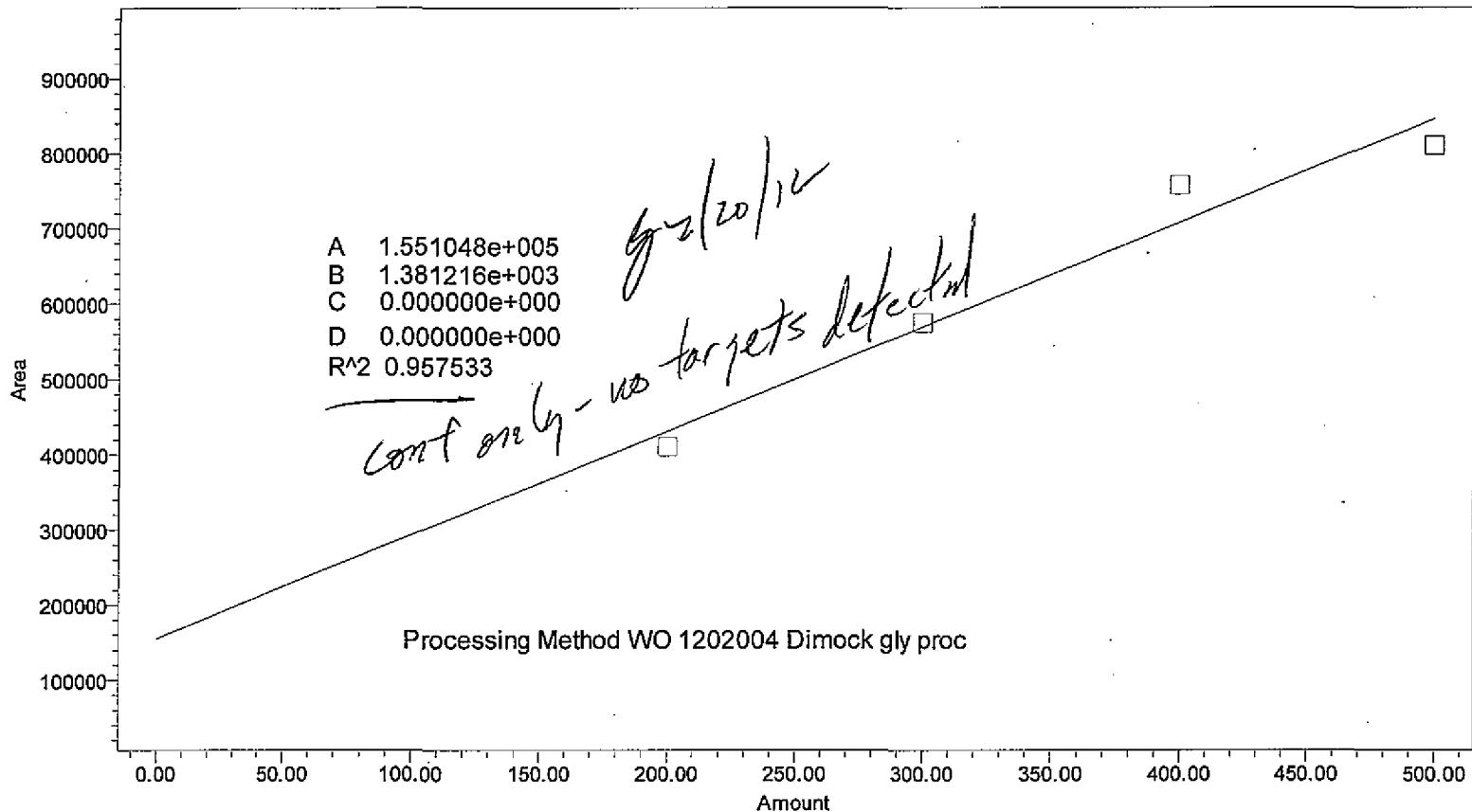
Peak: tri ethylene glycol

	Date Acquired		Date Acquired
1	2/14/2012 10:23:04 PM EST	6	2/14/2012 8:40:26 PM EST
2	2/14/2012 10:02:31 PM EST	7	2/14/2012 8:19:56 PM EST
3	2/14/2012 9:41:58 PM EST		
4	2/14/2012 9:21:27 PM EST		
5	2/14/2012 9:00:56 PM EST		

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 2: MRM Ch2
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:11 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2775

Calibration Plot



Peak: tri ethylene glycol conf

	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	tri ethylene glycol conf	4	200.0	410820.7	185.1	-7.4	No	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24
2	tri ethylene glycol conf	3	300.0	575136.8	304.1	1.4	No	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24
3	tri ethylene glycol conf	2	400.0	757838.2	436.4	9.1	No	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24
4	tri ethylene glycol conf	1	500.0	810325.5	474.4	-5.1	No	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24

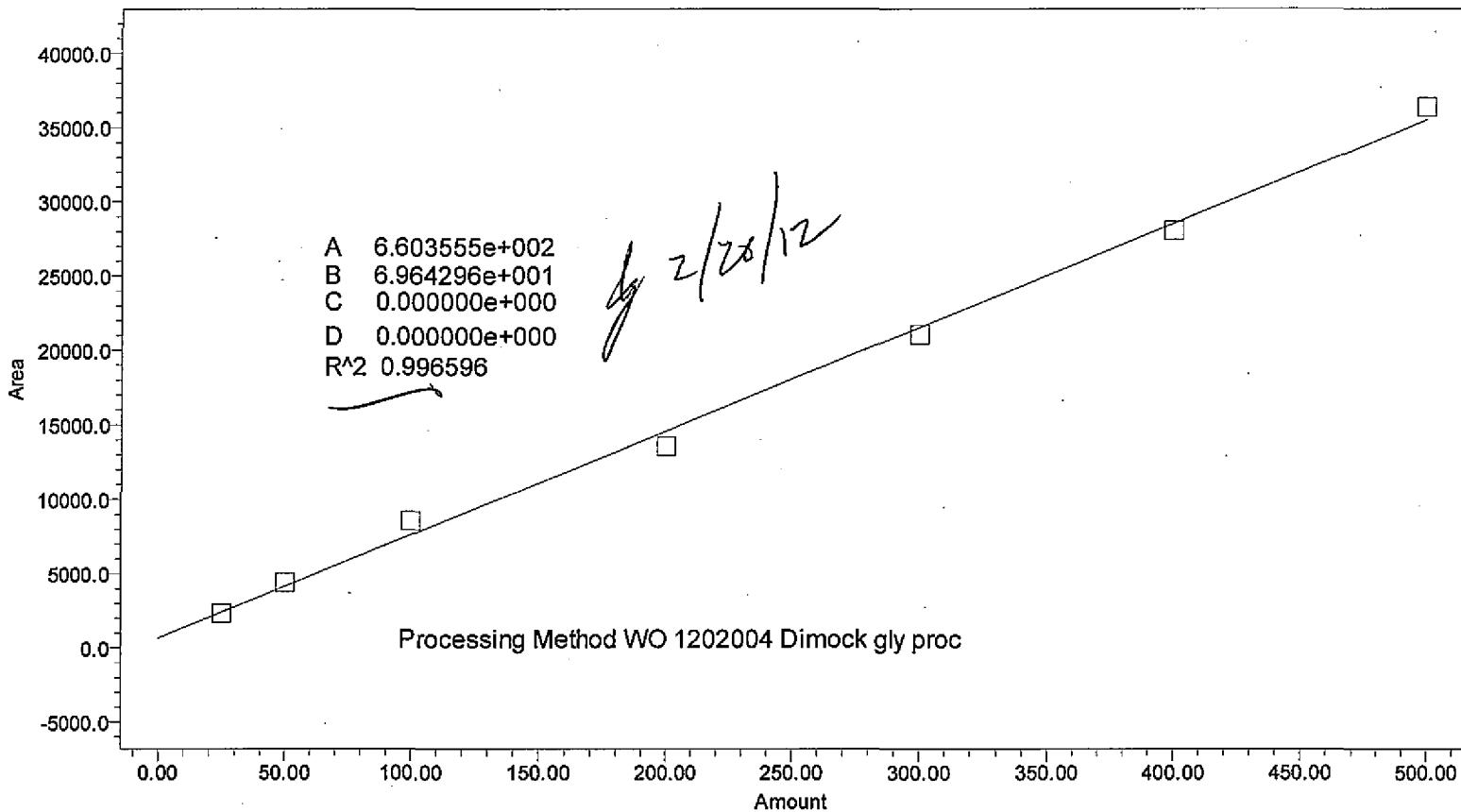
Peak: tri ethylene glycol conf

	Date Acquired
1	2/14/2012 9:21:27 PM EST
2	2/14/2012 9:00:56 PM EST
3	2/14/2012 8:40:26 PM EST
4	2/14/2012 8:19:56 PM EST

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 1: MRM Ch1
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:05 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2745

Calibration Plot



	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	di ethylene glycol	7	25.0	2325.4	23.9	-4.4	No	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48
2	di ethylene glycol	6	50.0	4402.0	53.7	7.5	No	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48
3	di ethylene glycol	5	100.0	8566.1	113.5	13.5	No	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48
4	di ethylene glycol	4	200.0	13550.5	185.1	-7.5	No	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48
5	di ethylene glycol	3	300.0	21067.8	293.0	-2.3	No	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48
6	di ethylene glycol	2	400.0	28031.5	393.0	-1.7	No	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48
7	di ethylene glycol	1	500.0	36366.9	512.7	2.5	No	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48

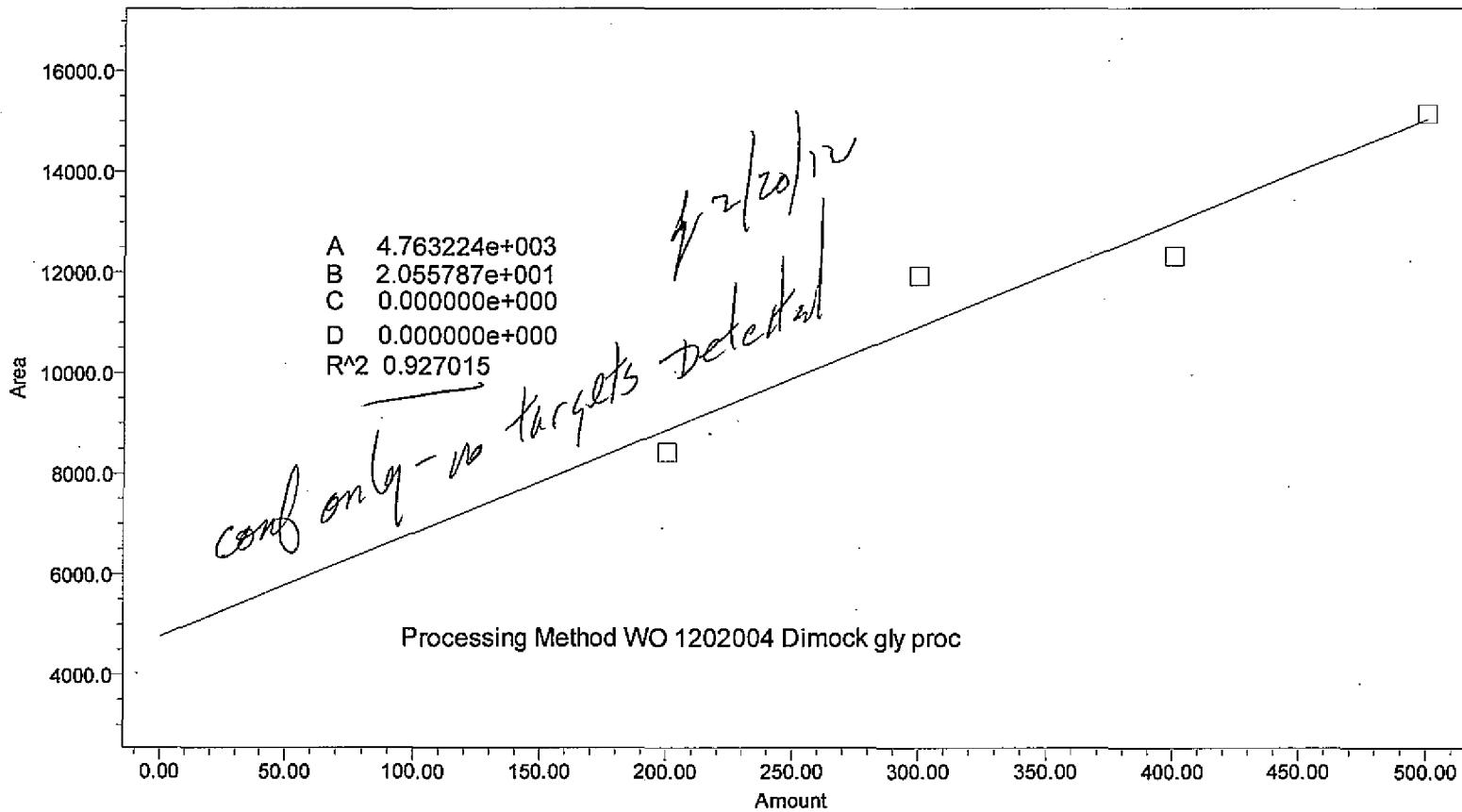
Peak: di ethylene glycol

	Date Acquired		Date Acquired
1	2/14/2012 10:23:04 PM EST	6	2/14/2012 8:40:26 PM EST
2	2/14/2012 10:02:31 PM EST	7	2/14/2012 8:19:56 PM EST
3	2/14/2012 9:41:58 PM EST		
4	2/14/2012 9:21:27 PM EST		
5	2/14/2012 9:00:56 PM EST		

Processing Method: WO 1202004 Dimock gly proc
 Processing Method ID: 2624
 Channel: TQ 1: MRM Ch2
 Proc. Chnl. Descr.: ****
 Date Calibrated: 2/20/2012 12:01:07 PM EST

Project Name: WO 1202004 Dimock
 System: UPLC_TQD and PDA
 Calibration ID: 2755

Calibration Plot

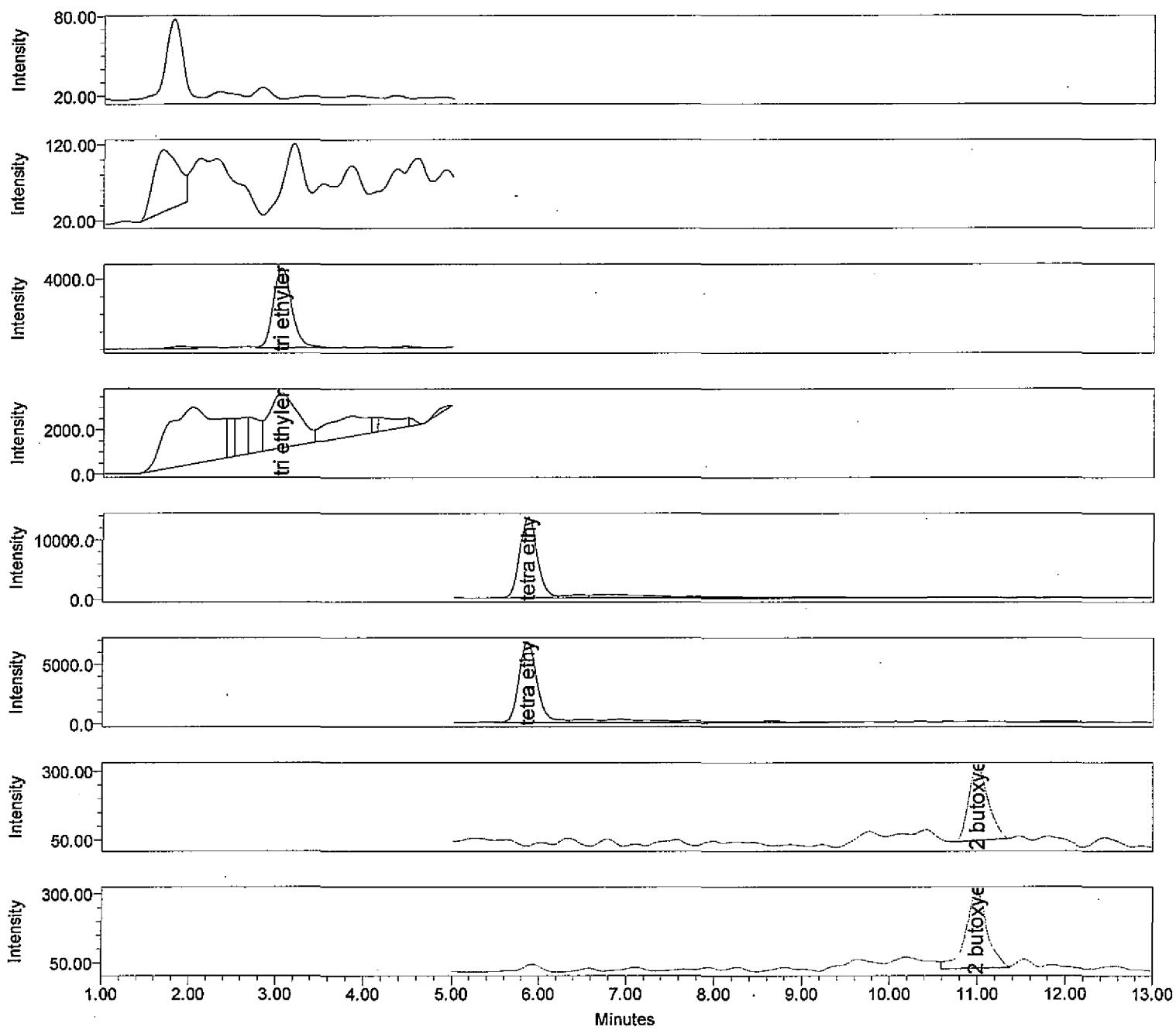


	Name	Level	X Value	Response	Calc Val	% Dev	Manual	Channel Description
1	di ethylene glycol conf	4	200.0	8425.4	178.1	-10.9	No	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22
2	di ethylene glycol conf	3	300.0	11936.1	348.9	16.3	No	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22
3	di ethylene glycol conf	2	400.0	12323.6	367.8	-8.1	No	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22
4	di ethylene glycol conf	1	500.0	15148.9	505.2	1.0	No	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22

Peak: di ethylene glycol conf

	Date Acquired
1	2/14/2012 9:21:27 PM EST
2	2/14/2012 9:00:56 PM EST
3	2/14/2012 8:40:26 PM EST
4	2/14/2012 8:19:56 PM EST

injection channel summary



—— Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

2/20/12

extr_date

coll_date

analyst jlg

Vial 1:9

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 11:04:05 PM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	1200063 glycol mix 5ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	1200063 glycol mix 5ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.043	1200063 glycol mix 5ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	65460	4516	VB

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.044	1200063 glycol mix 5ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	58580	2495	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.859	1200063 glycol mix 5ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	192382	13567	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.859	1200063 glycol mix 5ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	99677	6786	VV

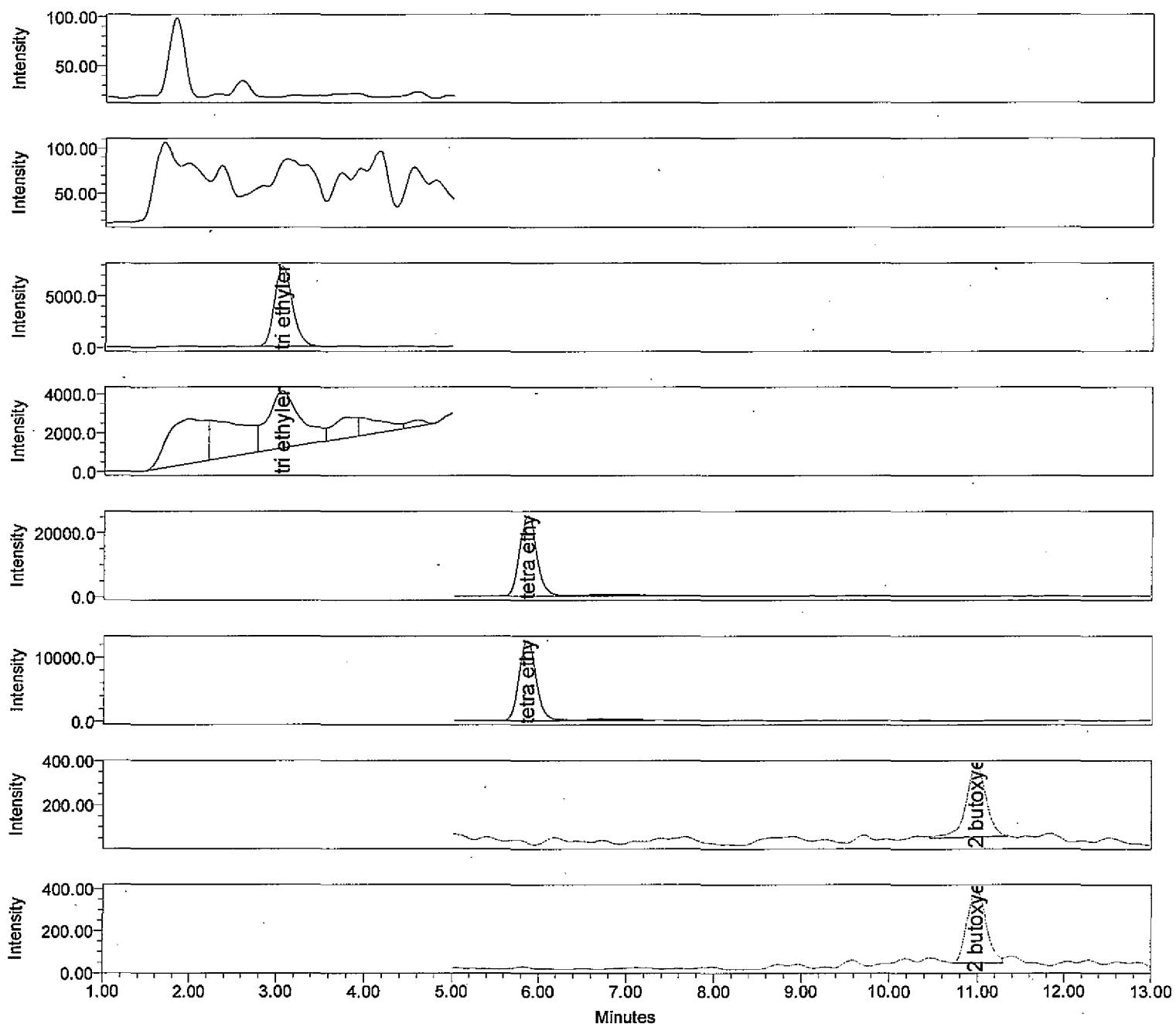
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 2 butoxyethanol conf	10.992	1200063 glycol mix 5ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	4157	268	BB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.986	1200063 glycol mix 5ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	4785	280	5.0	VV

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

✓ 2/10/w

extr_date

coll_date

analyst jlg

Vial 1:8

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 10:43:37 PM EST Injection Volume 30.00 μ L
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	1200062 glycol mix 10ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	1200062 glycol mix 10ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.045	1200062 glycol mix 10ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	110874	7721	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.051	1200062 glycol mix 10ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	76634	2921	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.862	1200062 glycol mix 10ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	344650	25161	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.857	1200062 glycol mix 10ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	171804	12533	VV

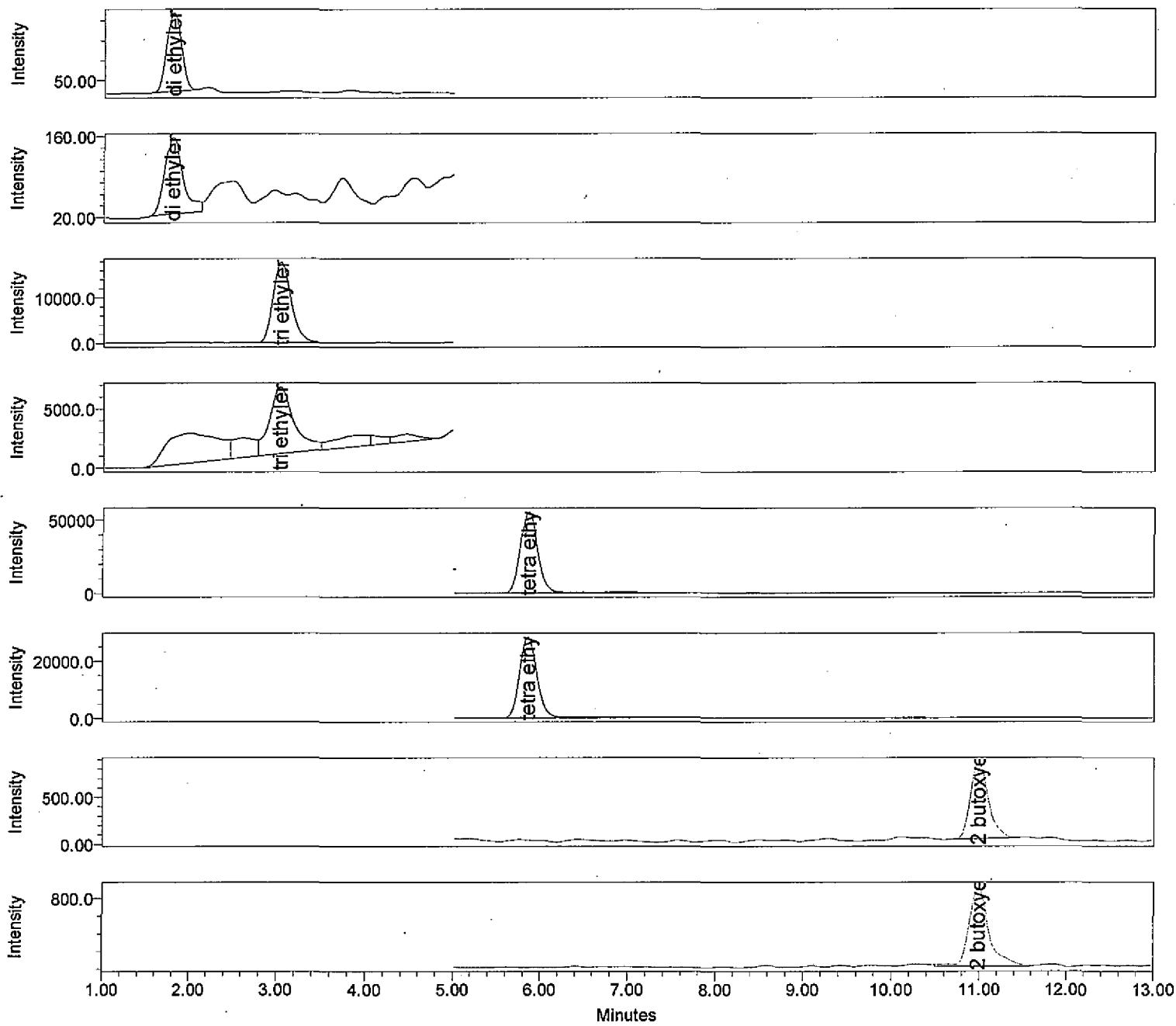
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.981	1200062 glycol mix 10ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	5158	326	10.0	VB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.981	1200062 glycol mix 10ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	5308	354	10.0	VV

Injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

f 2/20/12

extr_date

coll_date

analyst jlg

Vial 1:7

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 10:23:04 PM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	di ethylene glycol	1.798	1200061 glycol mix 25ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	2325	196	25.0	BB

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	di ethylene glycol conf	1.793	1200061 glycol mix 25ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	1942	132	BV

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	tri ethylene glycol	3.042	1200061 glycol mix 25ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	250868	17602	25.0	VB

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	3.034	1200061 glycol mix 25ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	108230	5593	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	tetra ethylene glycol	5.860	1200061 glycol mix 25ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	765237	55199	25.0	BV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.856	1200061 glycol mix 25ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	391465	28167	BV

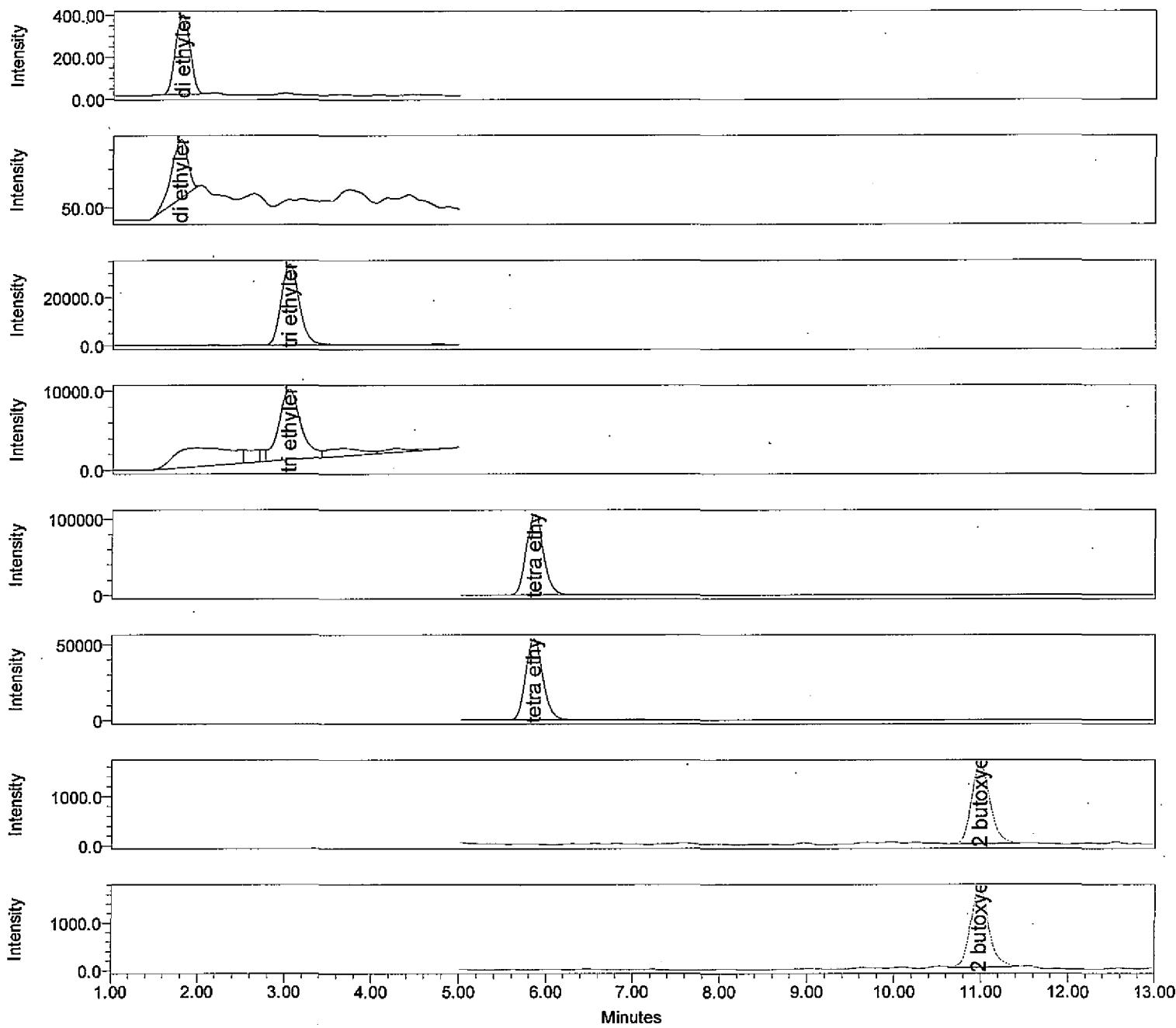
Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	2 butoxyethanol conf	10.987	1200061 glycol mix 25ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	11581	818	25.0	BB

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1	2 butoxyethanol	10.985	1200061 glycol mix 25ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	14329	904	25.0	VV

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

6 2/20/12

extr_date

coll_date

analyst jlg

Vial 1:6

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 10:02:31 PM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.798	1200060 glycol mix 50ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	4402	375	50.0	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 di ethylene glycol conf	1.781	1200060 glycol mix 50ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	1998	153	BB

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.038	1200060 glycol mix 50ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	485121	33608	50.0	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.036	1200060 glycol mix 50ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	154239	8883	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.853	1200060 glycol mix 50ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	1473789	105868	50.0	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.850	1200060 glycol mix 50ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	746047	53502	BV

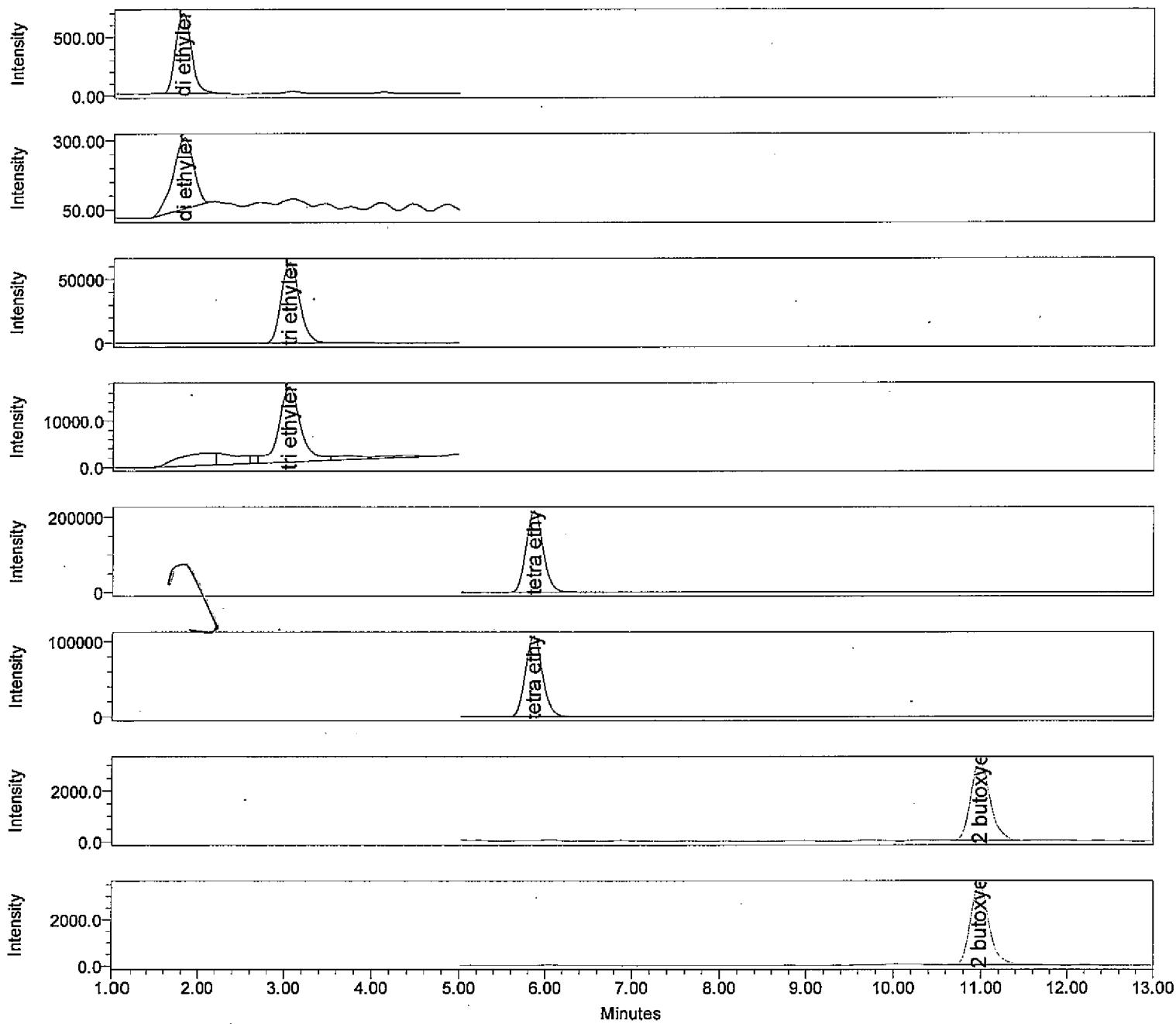
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.988	1200060 glycol mix 50ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	23566	1609	50.0	BB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.983	1200060 glycol mix 50ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	24021	1655	50.0	VB

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

2/20/12

extr_date

coll_date

analyst.jlg

Vial 1:5

Acq Method Set MRM 4 glycol oct 2011

Date Acquired 2/14/2012 9:41:58 PM EST

Injection Volume 30.00 μ L

Instrument Method Name MRM 4 glycol oct 2011

Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.799	1200059 glycol mix 100ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	8566	678	100.0	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 di ethylene glycol conf	1.818	1200059 glycol mix 100ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	4227	256	BB

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.046	1200059 glycol mix 100ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	913945	63116	100.0	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.045	1200059 glycol mix 100ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	275018	16096	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.860	1200059 glycol mix 100ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2990808	215885	100.0	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.857	1200059 glycol mix 100ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1490902	107024	BV

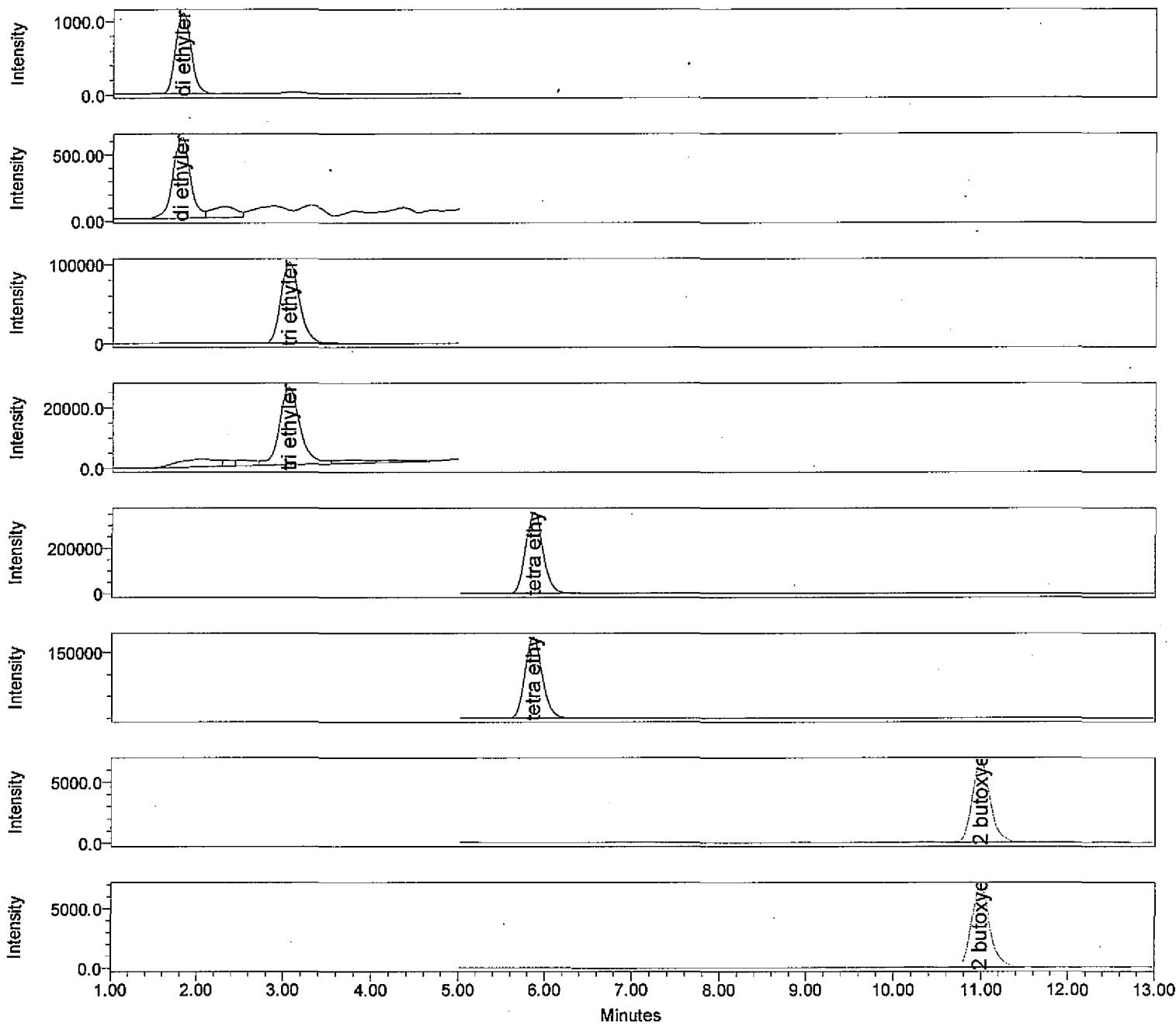
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.984	1200059 glycol mix 100ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	47319	3131	100.0	BB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.980	1200059 glycol mix 100ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	51293	3455	100.0	BB

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date coll_date analyst jlg Vial 1:4
 Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 9:21:27 PM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.806	1200058 glycol mix 200ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	13550	1083	200.0	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.796	1200058 glycol mix 200ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	8425	606	200.0	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.049	1200058 glycol mix 200ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	1507200	102089	200.0	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.046	1200058 glycol mix 200ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	410821	25411	200.0	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.863	1200058 glycol mix 200ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	5019497	357702	200.0	BB

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.860	1200058 glycol mix 200ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2580462	183611	200.0	BV

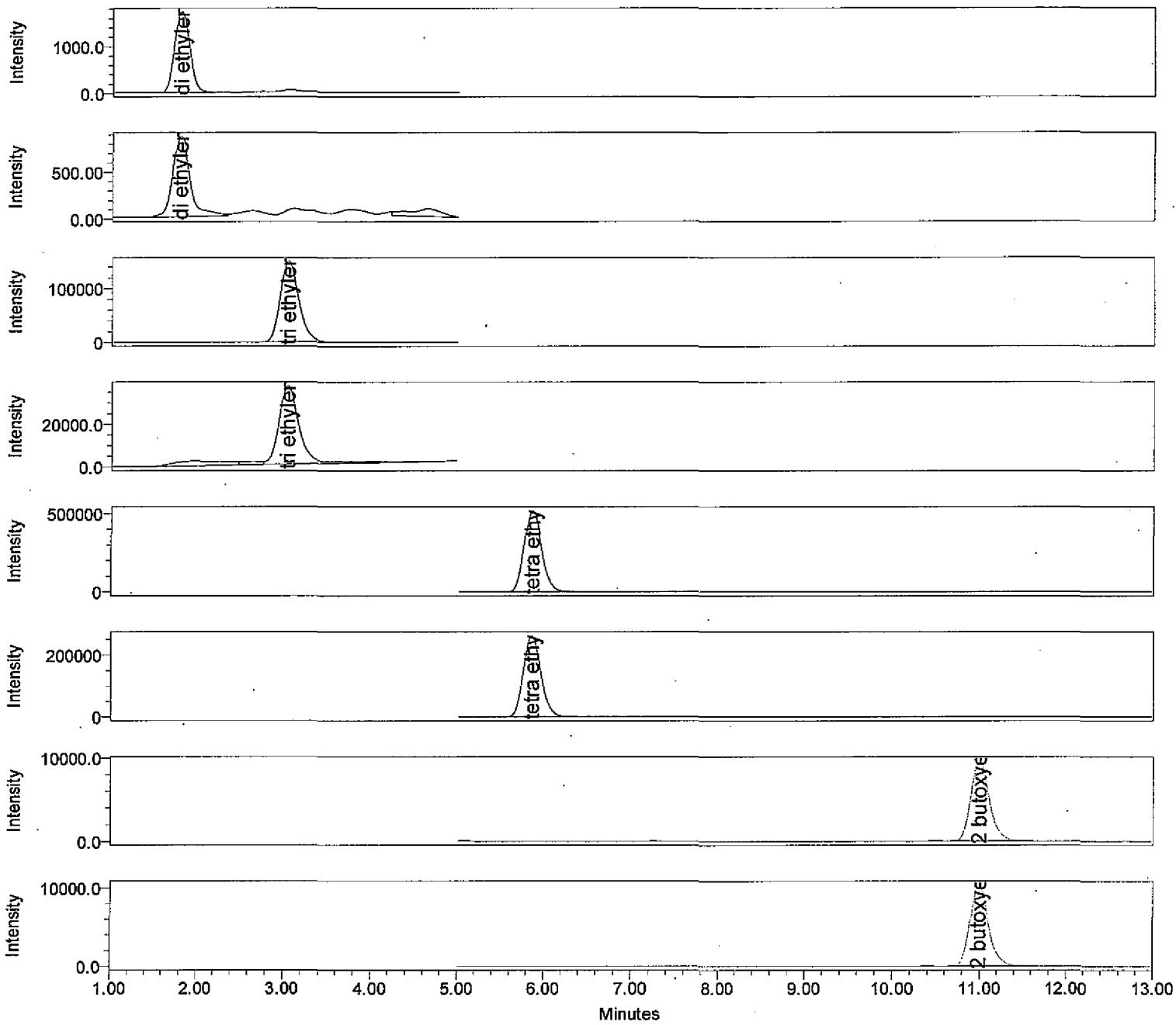
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.989	1200058 glycol mix 200ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	95339	6604	200.0	VB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.986	1200058 glycol mix 200ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	98618	6761	200.0	BB

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

2/20/12

extr_date

coll_date

analyst jlg

Vial 1:3

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 9:00:56 PM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.799	1200057 glycol mix 300ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	21068	1713	300.0	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.795	1200057 glycol mix 300ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	11936	857	300.0	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.044	1200057 glycol mix 300ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	2209350	149467	300.0	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.040	1200057 glycol mix 300ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	575137	36613	300.0	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.860	1200057 glycol mix 300ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	7242197	516635	300.0	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Typ
1 tetra ethylene glycol conf	5.857	1200057 glycol mix 300ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	3710491	262081	300.0	VV

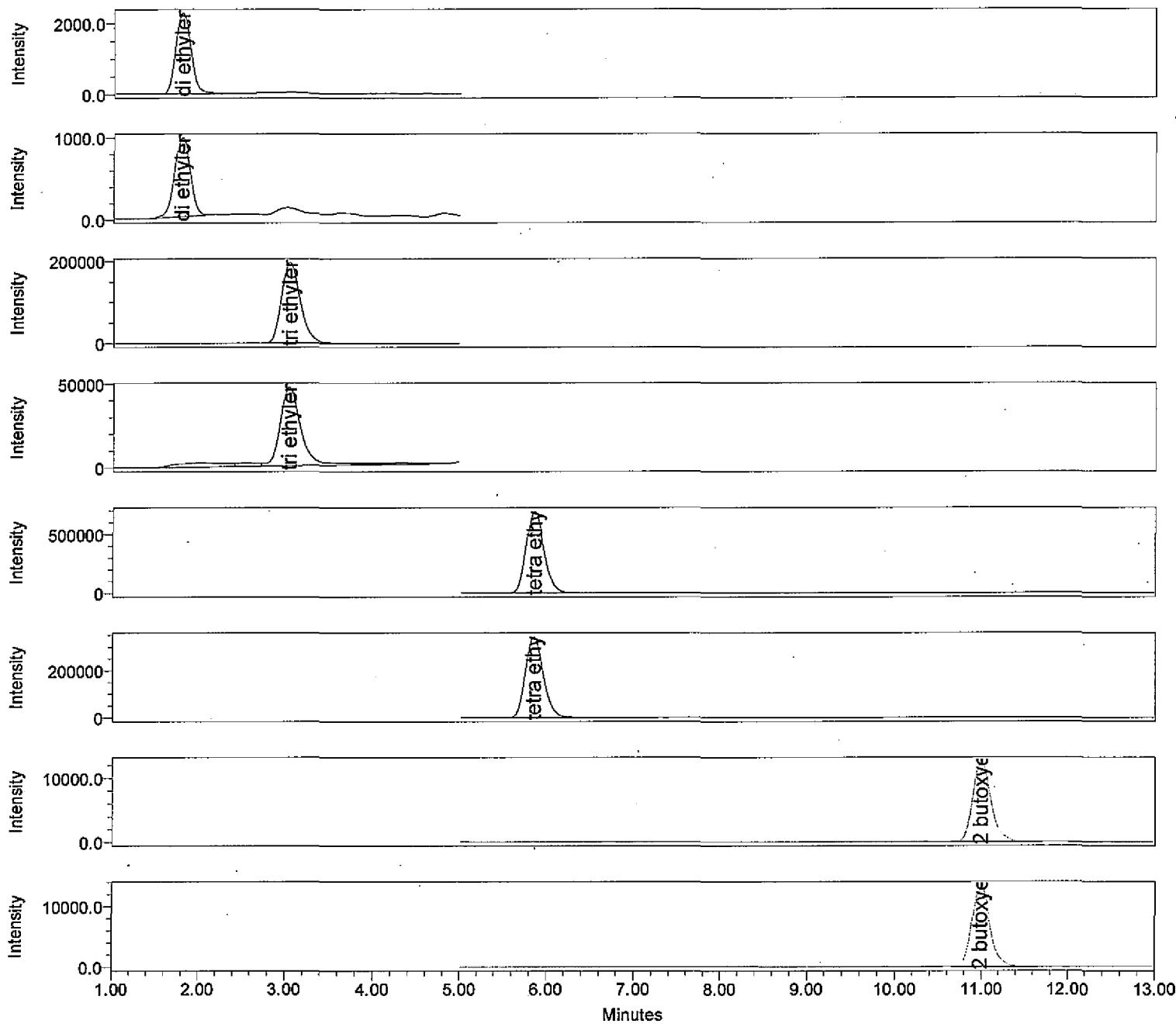
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.994	1200057 glycol mix 300ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	142651	9633	300.0	VB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.991	1200057 glycol mix 300ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	152704	10323	300.0	VB

injection channel summary



—— Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

J 2/14/12

extr_date coll_date analyst jlg Vial 1:2
 Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 8:40:26 PM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.797	1200056 glycol mix 400ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	28032	2264	400.0	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.796	1200056 glycol mix 400ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	12324	957	400.0	BB

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.044	1200056 glycol mix 400ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	2918961	196110	400.0	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.039	1200056 glycol mix 400ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	757838	46900	400.0	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.858	1200056 glycol mix 400ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	9777771	691472	400.0	BB

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.854	1200056 glycol mix 400ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	4871464	341874	400.0	VV

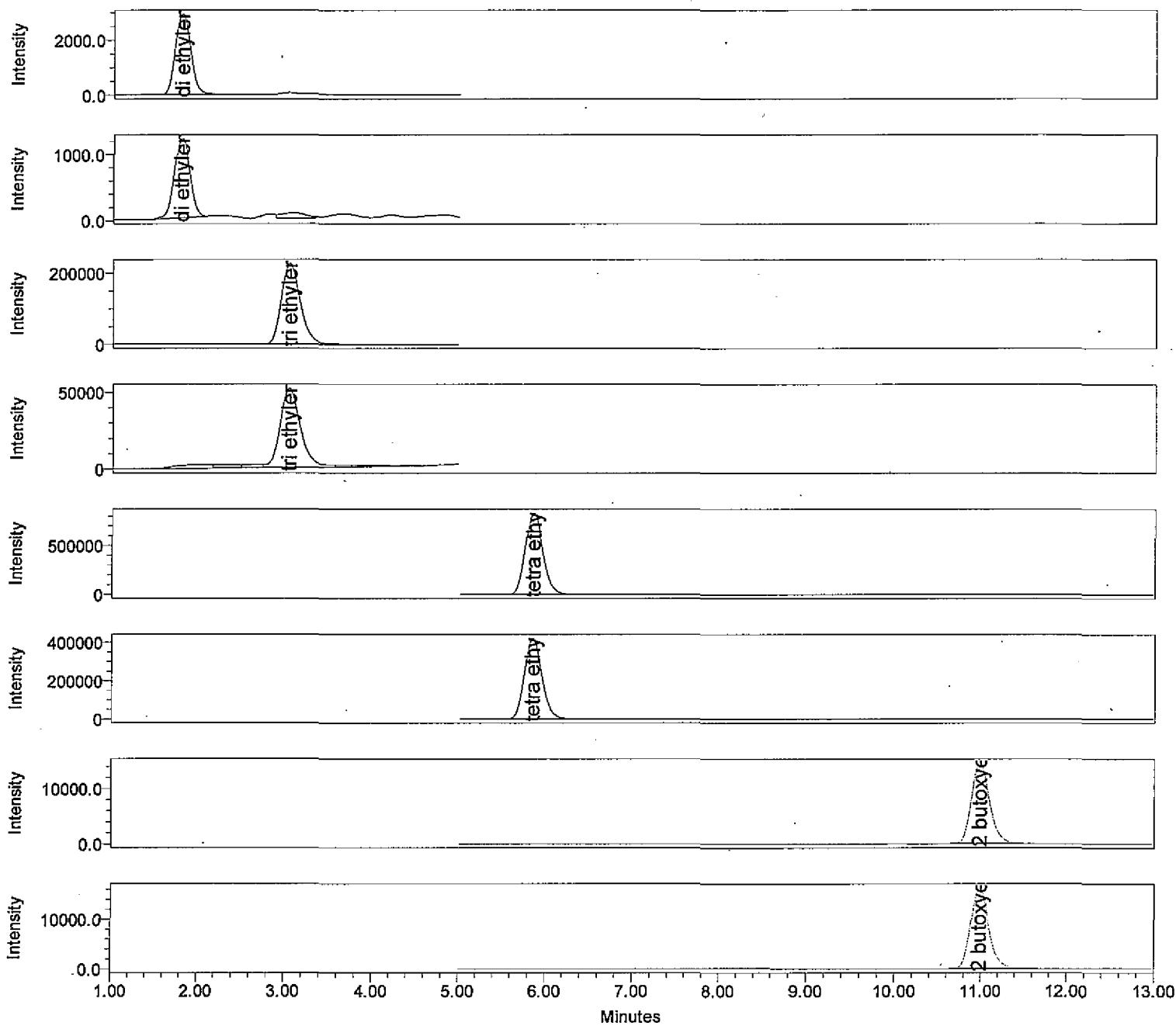
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.990	1200056 glycol mix 400ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	182767	12523	400.0	VB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.987	1200056 glycol mix 400ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	193227	13328	400.0	VB

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date

coll_date

analyst jlg

Vial 1:1

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 8:19:56 PM EST Injection Volume 30.00 μ L
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.799	1200055 glycol mix 500ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	36367	2926	500.0	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.800	1200055 glycol mix 500ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	15149	1193	500.0	BB

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.045	1200055 glycol mix 500ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	3374983	226331	500.0	BV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.042	1200055 glycol mix 500ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	810325	51289	500.0	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.858	1200055 glycol mix 500ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	11842439	830234	500.0	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.854	1200055 glycol mix 500ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	5941513	420104	500.0	VV

Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.985	1200055 glycol mix 500ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	214524	14562	500.0	VB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.984	1200055 glycol mix 500ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	240246	16269	500.0	VB

Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

Summary of Results / Project Information

BB 21303

Batch BB21303 dimock
BS, SCV and CCV

glycol runs 2/14-15/2012

% recovery for SCV/CCV/BS: 80-120 (criteria for low level bs have not been established, only detectable)
* = result is outside QC limits in SW846 Method 800C

1200011			
Cmpd	SCV	expected	% rec
diethylene glycol	97.0	100.0	97
triethylene glycol	99.3	100.0	99
tetraethylene glycol	111.6	100.0	112
2-butoxyethanol	203.7	200.0	102

ccv			
Cmpd	ccv	expected	% rec
diethylene glycol	38.3	50.0	77
triethylene glycol	37.0	50.0	74
tetraethylene glycol	46.4	50.0	93
2-butoxyethanol	53.3	50.0	107

low BS			
Cmpd	low BS	expected	% rec
diethylene glycol			
triethylene glycol			
tetraethylene glycol			
2-butoxyethanol	3.2	5.0	64

expected % rec			
Cmpd	diethylene glycol	triethylene glycol	tetraethylene glycol
diethylene glycol	50.0	50.0	0
triethylene glycol	50.0	50.0	0
tetraethylene glycol	50.0	50.0	0
2-butoxyethanol	50.0	50.0	0

low BS			
Cmpd	low BS	expected	% rec
2-methoxyethanol	4.4	10.0	44

Cmpd.	BB21303 BS2	and ccv	expected	% rec
2-methoxyethanol		106.9	50.0	214

1100499			
Cmpd	SCV	expected	% rec
diethylene glycol	77.5	100.0	77
triethylene glycol	95.1	100.0	95
tetraethylene glycol	110.9	100.0	111
2-butoxyethanol	105.8	100.0	106

BB21303BS1			
Cmpd	BB21303BS1	expected	% rec
diethylene glycol	92.8	100.0	93
triethylene glycol	102.1	100.0	102
tetraethylene glycol	105.2	100.0	105
2-butoxyethanol	117.0	100.0	117

low BS			
Cmpd	low BS	expected	% rec
diethylene glycol	27.5	25.0	110
triethylene glycol	10.1	25.0	40
tetraethylene glycol	17.0	25.0	68
2-butoxyethanol		25.0	0

expected % rec			
Cmpd	diethylene glycol	triethylene glycol	tetraethylene glycol
diethylene glycol	200.0	200.0	0
triethylene glycol	200.0	200.0	0
tetraethylene glycol	200.0	200.0	0
2-butoxyethanol	200.0	200.0	0

Cmpd	ccv	expected	% rec
2-methoxyethanol	50.5	50.0	101

Cmpd	SCV	expected	% rec
2-methoxyethanol	101.9	100.0	102

No targets detected in this batch - No data qualified based on outliers
2/10/12

EPA Region 3 - OASQA - GLYCOL SAMPLE PREPARATION LOG

BB21303

bch_glycol.rpt

Surrogate used:

LabNumber	Date Collected	Cont ID	Sample Type	Initial (mL)	Final (mL)	SourceID	Spike1	Spike1 Amount μ L	Spike2	Spike2 Amount μ L	μ L Surrogate	ExtractionComments
1202004-21	02/10/12 10:53	K	SAM	1	1							71 Drinking Water
1202004-22	02/09/12 14:11	J	SAM	1	1							71 Drinking Water
1202004-23	02/10/12 11:37	K	SAM	1	1							71 Drinking Water
1202004-24	02/10/12 14:30	K	SAM	1	1							71 Drinking Water
1202004-25	02/09/12 13:36	K	SAM	1	1							71 Drinking Water
1202004-26	02/10/12 11:22	K	SAM	1	1							71 Drinking Water
1202004-27	02/10/12 11:21	K	SAM	1	1							71 Drinking Water
1202004-28	02/09/12 14:49	K	SAM	1	1							71 Drinking Water
1202004-29	02/09/12 14:26	K	SAM	1	1							71 Drinking Water
1202004-30	02/10/12 11:02	K	SAM	1	1							71 Drinking Water
1202004-31	02/10/12 11:21	K	SAM	1	1							71 Drinking Water
1202004-32	02/10/12 14:08	K	SAM	1	1							71 Drinking Water
BB21303-BLK1	02/13/12 09:00			1	1	-						
BB21303-BS1	02/13/12 09:00			1	1	-	1200059	1000				Glycol
BB21303-BS2	02/13/12 09:00			1	1	-	1200066	1000				zme
BB21303-MS1	02/10/12 10:53			10	10	1202004-21	1200054	200	1200012	100		
BB21303-MSD1	02/10/12 10:53			10	10	1202004-21	1200054	200	1200012	100		

DIM0207810

DIM0207930

on demand glycols for Dimock

WO 1201013 WO 1201015 WO 1202001 WO 1202003 004 and 005

January/Feb 2012

run on Waters TQD system retention time average

G201

New gradient, all 4 glycols elute together

2-methoxyethanol run separately

Cmpd	300.00	200.00	100.00	50ppb	ret time avg	std dev	3x std dev
wo 1202004 run 2/14-15/2012							
diethylene glycol	1.799	1.806	1.799	1.798	1.801	0.0037	0.0111
triethylene glycol	3.044	3.049	3.046	3.038	3.044	0.0046	0.0139
tetraethylene glycol	5.860	5.863	5.860	5.853	5.859	0.0042	0.0127
2 butoxyethanol	10.991	10.986	10.980	10.983	10.985	0.0047	0.0141
2-methoxyethanol							
	250.000	100.000	50.000	25.000	ret time avg	std dev	3x std dev
	2.578	2.579	2.584	2.586	2.582	0.0039	0.0116

RT's are from preliminary default integration of initial calibration standards. Values may vary slightly in final processing

Batch BB21303 dimock
BS, SCV and CCV

glycol runs 2/14-15/2012

Cmpd	1200011		expected	% rec
	SCV			
diethylene glycol		97.0	100.0	97
triethylene glycol		99.3	100.0	99
tetraethylene glycol		111.6	100.0	112
2-butoxyethanol		203.7	200.0	102
Cmpd	ccv		expected	% rec
diethylene glycol		38.3	50.0	77
triethylene glycol		37.0	50.0	74
tetraethylene glycol		46.4	50.0	93
2-butoxyethanol		53.3	50.0	107
Cmpd	low BS		expected	% rec
diethylene glycol				
triethylene glycol				
tetraethylene glycol				
2-butoxyethanol		3.2	5.0	64
Cmpd			expected	% rec
diethylene glycol			50.0	0
triethylene glycol			50.0	0
tetraethylene glycol			50.0	0
2-butoxyethanol			50.0	0
Cmpd	low BS		expected	% rec
2-methoxyethanol		4.4	10.0	44
Cmpd	BB21303 BS2 and ccv		expected	% rec
2-methoxyethanol		106.9	50.0	214

% recovery for SCV/CCV/BS: 80-120 (**criteria for low level bs have not been established, only detectable**)
* = result is outside QC limits in SW846 Method 800C

Cmpd	1100499		expected	% rec
	SCV			
diethylene glycol		77.5	100.0	77
triethylene glycol		95.1	100.0	95
tetraethylene glycol		110.9	100.0	111
2-butoxyethanol		105.8	100.0	106
Cmpd	BB21303BS1		expected	% rec
diethylene glycol		92.8	100.0	93
triethylene glycol		102.1	100.0	102
tetraethylene glycol		105.2	100.0	105
2-butoxyethanol		117.0	100.0	117
Cmpd	low BS		expected	% rec
diethylene glycol		27.5	25.0	110
triethylene glycol		10.1	25.0	40
tetraethylene glycol		17.0	25.0	68
2-butoxyethanol			25.0	0
Cmpd			expected	% rec
diethylene glycol			200.0	0
triethylene glycol			200.0	0
tetraethylene glycol			200.0	0
2-butoxyethanol			200.0	0
Cmpd	ccv		expected	% rec
2-methoxyethanol		50.5	50.0	101
Cmpd	SCV		expected	% rec
2-methoxyethanol		101.9	100.0	102

No targets detected in this batch - No data qualified based on outliers
y/2012

DIM0207810

DIM0207933

EPA Region 3 - OASQA - GLYCOL SAMPLE PREPARATION LOG

BB21303

bch_glycol.rpt

Surrogate used:

LabNumber	Date Collected	Cont ID	Sample Type	Initial (mL)	Final (mL)	SourceID	Spike1	Spike1 Amount μ L	Spike2	Spike2 Amount μ L	μ L Surrogate	ExtractionComments
1202004-21	02/10/12 10:53	K	SAM	1	1							71 Drinking Water
1202004-22	02/09/12 14:11	J	SAM	1	1							71 Drinking Water
1202004-23	02/10/12 11:37	K	SAM	1	1							71 Drinking Water
1202004-24	02/10/12 14:30	K	SAM	1	1							71 Drinking Water
1202004-25	02/09/12 13:36	K	SAM	1	1							71 Drinking Water
1202004-26	02/10/12 11:22	K	SAM	1	1							71 Drinking Water
1202004-27	02/10/12 11:21	K	SAM	1	1							71 Drinking Water
1202004-28	02/09/12 14:49	K	SAM	1	1							71 Drinking Water
1202004-29	02/09/12 14:26	K	SAM	1	1							71 Drinking Water
1202004-30	02/10/12 11:02	K	SAM	1	1							71 Drinking Water
1202004-31	02/10/12 11:21	K	SAM	1	1							71 Drinking Water
1202004-32	02/10/12 14:08	K	SAM	1	1							71 Drinking Water
BB21303-BLK1	02/13/12 09:00			1	1	-						
BB21303-BS1	02/13/12 09:00			1	1	-	1200059	1000				Glycol
BB21303-BS2	02/13/12 09:00			1	1	-	1200066	1000				zMe
BB21303-MS1	02/10/12 10:53			10	10	1202004-21	1200054	200	1200012	100		
BB21303-MSD1	02/10/12 10:53			10	10	1202004-21	1200054	200	1200012	100		

DIM0207810

DIM0207934

EPA Region 3 - OASQA - GLYCOL SAMPLE PREPARATION LOG

BB21303

bch_glycol.rpt

Project: DAS R33907
Work Order No: 1202004
Site Name: Dimock Residential Groundwater
Analysis: Glycol by HPLC/MS/MS
Matrix: Water

Location: EPA #3 Shelf 2D
Client: OSWER - Emergency Response
Account#: 2012T03N303DC6A3TARS00
Bench Sheet Prepared Date: 02/13/12 09:00

Analyst: T. Gunderson
DI Water Resistivity > 18 ($\text{M}\Omega\text{-cm}$) Y / N
Comments from WO: _____

Sample Prep date: 2/13/12
Reagent Purity correct: Y/N ✓

METHOD/SOP: SW846 8321/ASTM D773-11
Certificate of Analysis Log#: 5/13/14

on demand glycols for Dimock

WO 1201013 WO 1201015 WO 1202001 WO 1202003 004 and 005

January/Feb 2012

run on Waters TQD system

retention time average

G201

New gradient, all 4 glycols elute together

New gradient; all 4 glycols elute to 2-methoxyethanol run separately

Cmpd	300.00	200.00	100.00	50ppb	ret time avg	std dev	3x std dev
wo 1202004 run 2/14-15/2012							
diethylene glycol	1.799	1.806	1.799	1.798	1.801	0.0037	0.0111
triethylene glycol	3.044	3.049	3.046	3.038	3.044	0.0046	0.0139
tetraethylene glycol	5.860	5.863	5.860	5.853	5.859	0.0042	0.0127
2 butoxyethanol	10.991	10.986	10.980	10.983	10.985	0.0047	0.0141
2-methoxyethanol	250.000	100.000	50.000	25.000	ret time avg	std dev	3x std dev
	2.578	2.579	2.584	2.586	2.582	0.0039	0.0116

RT's are from preliminary default integration of initial calibration standards. Values may vary slightly in final processing.

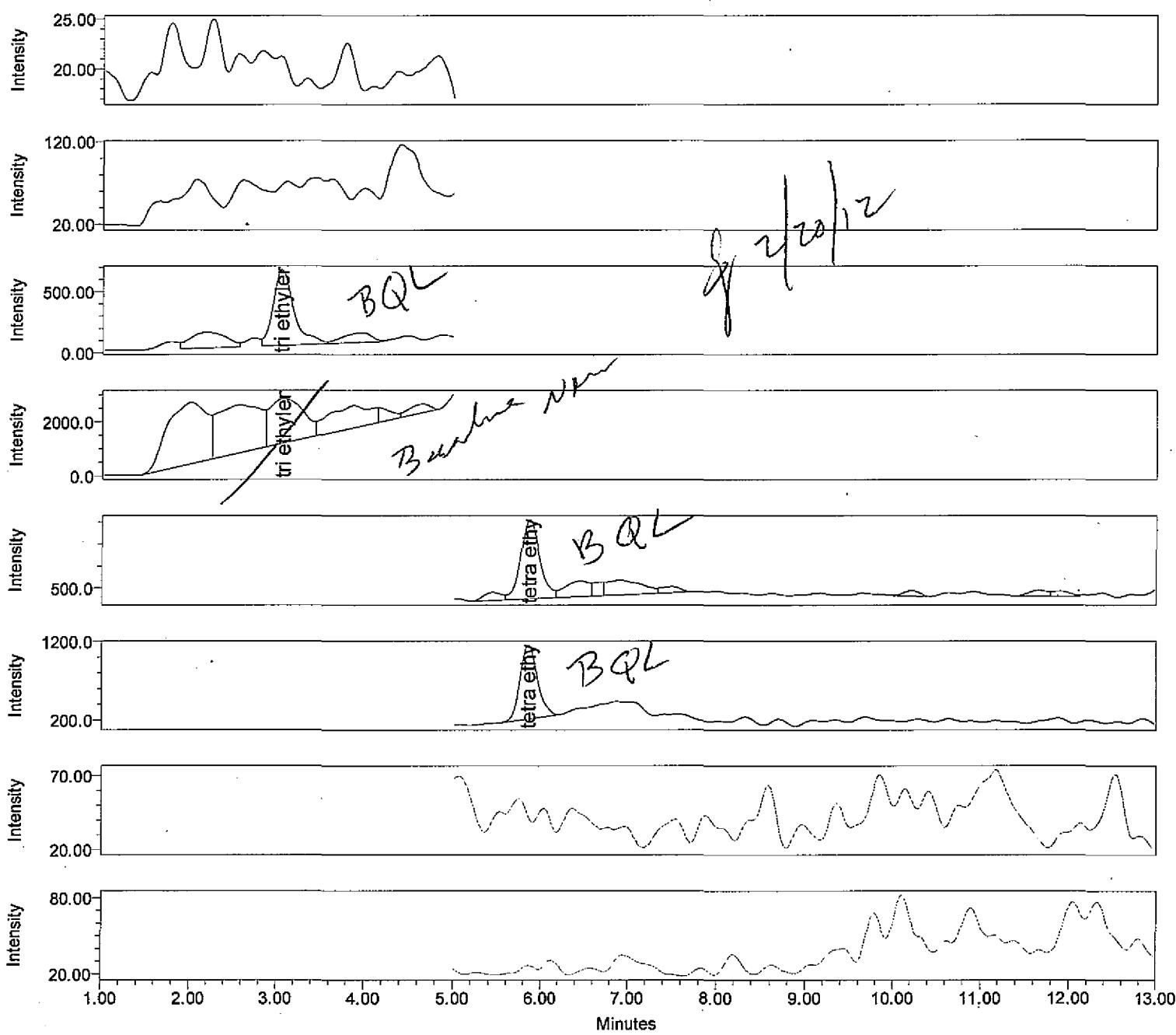
DIM020793

Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

Sample Data

*BB21303
Glycol*

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:28

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 12:26:05 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-21	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-21	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.047	1202004-21	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	10087	617	VV

BAL

JY/2011

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	3.065	1202004-21	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	43360	1641	VV

BAL

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.863	1202004-21	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	27610	1805	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.850	1202004-21	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	13125	936	BB

Name: 2 butoxyethanol conf

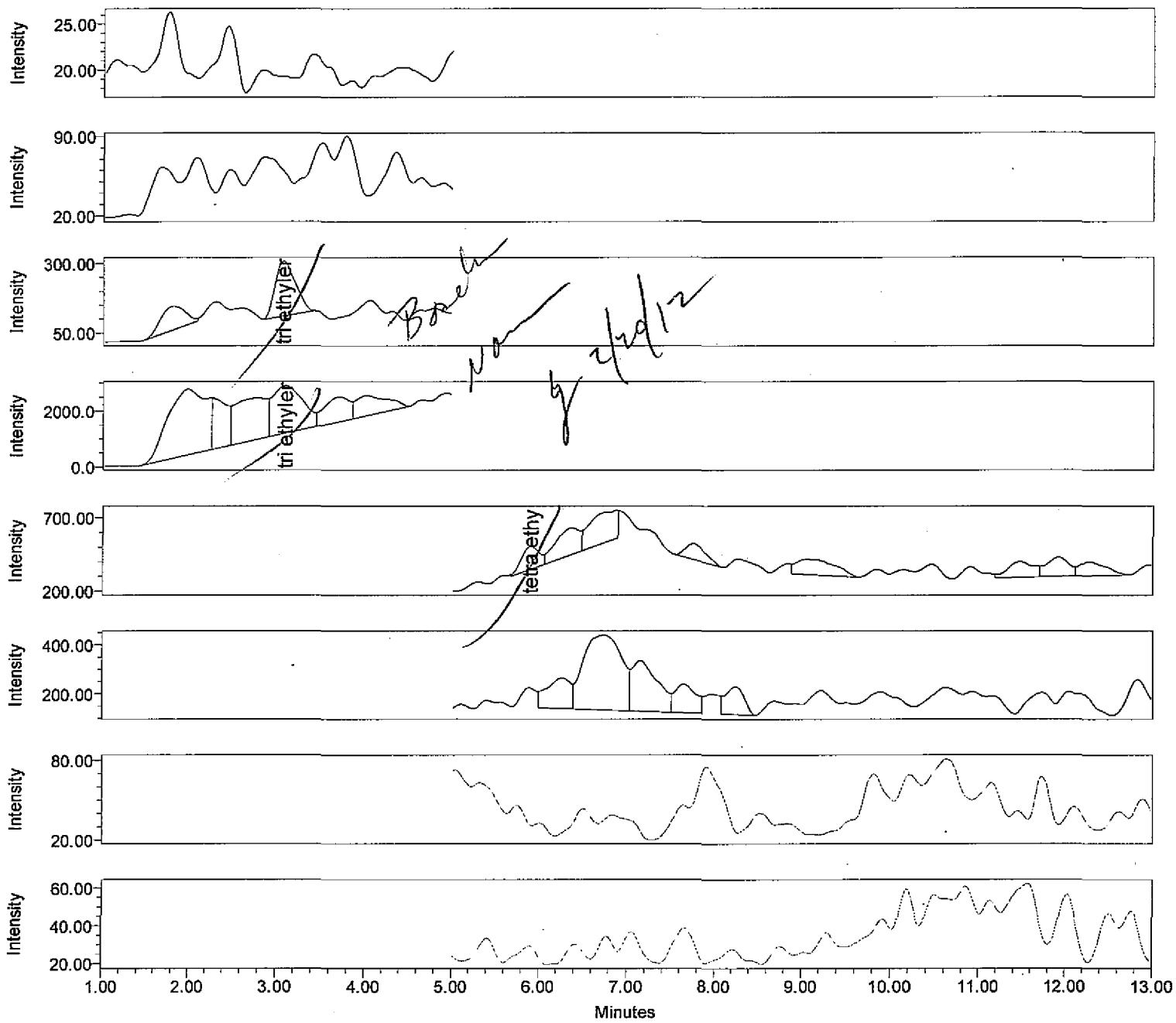
	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-21	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-21	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

IC
5ppb of Tr. 6 65460
TetG 192382

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02092012

analyst jlg

Vial 2:29

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 12:46:36 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-22	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-22	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.072	1202004-22	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	3091	196	BB

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	3.094	1202004-22	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	40314	1706	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.899	1202004-22	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2126	153	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	tetra ethylene glycol conf	5.859	1202004-22	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	Missing

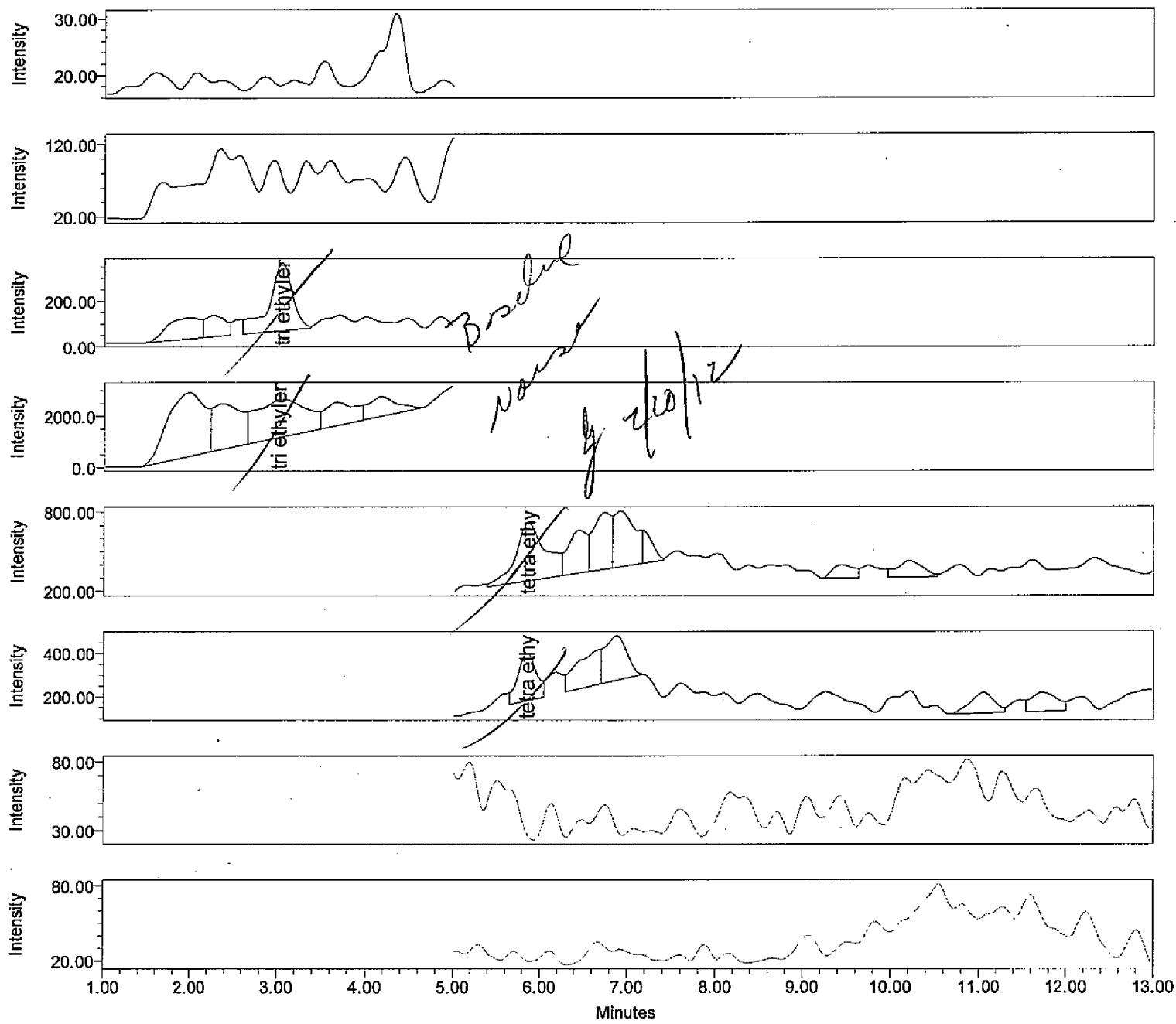
Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-22	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-22	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:30

Acq Method Set MRM 4 glycol oct 201 Date Acquired 2/15/2012 1:07:08 AM EST

Injection Volume 30.00 μ L

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-23	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-23	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.047	1202004-23	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	5518	296	VV

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	3.017	1202004-23	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	58469	1461	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.862	1202004-23	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	10485	434	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.853	1202004-23	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	3226	218	VV

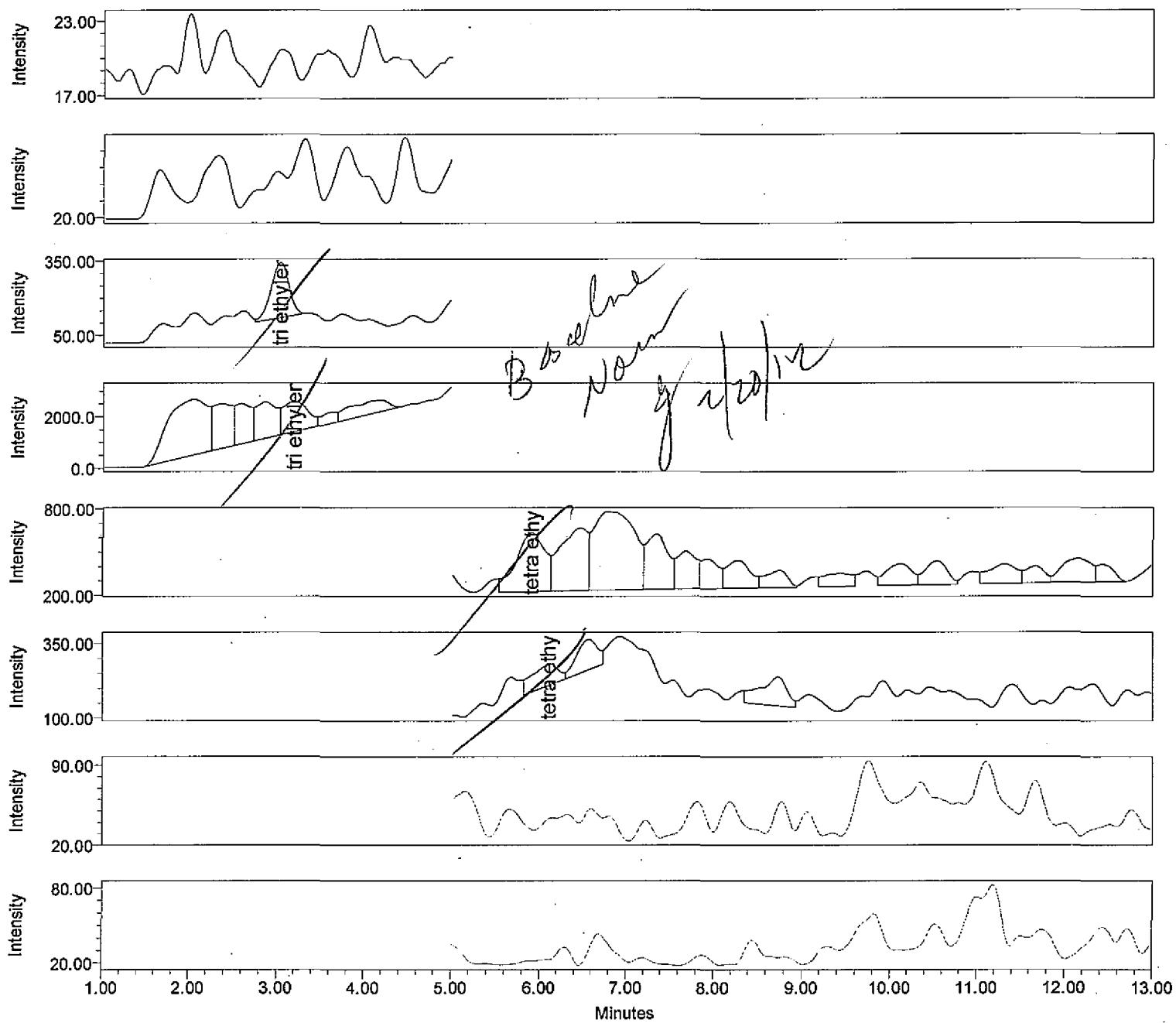
Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-23	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-23	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst.jlg

Vial 2:31

Acq Method Set MRM 4 glycol oct 201 Date Acquired 2/15/2012 1:27:42 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-24	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-24	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.027	1202004-24	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	3155	221	VB

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	3.188	1202004-24	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	22616	1172	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.901	1202004-24	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	9237	407	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	6.099	1202004-24	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1547	69	VV

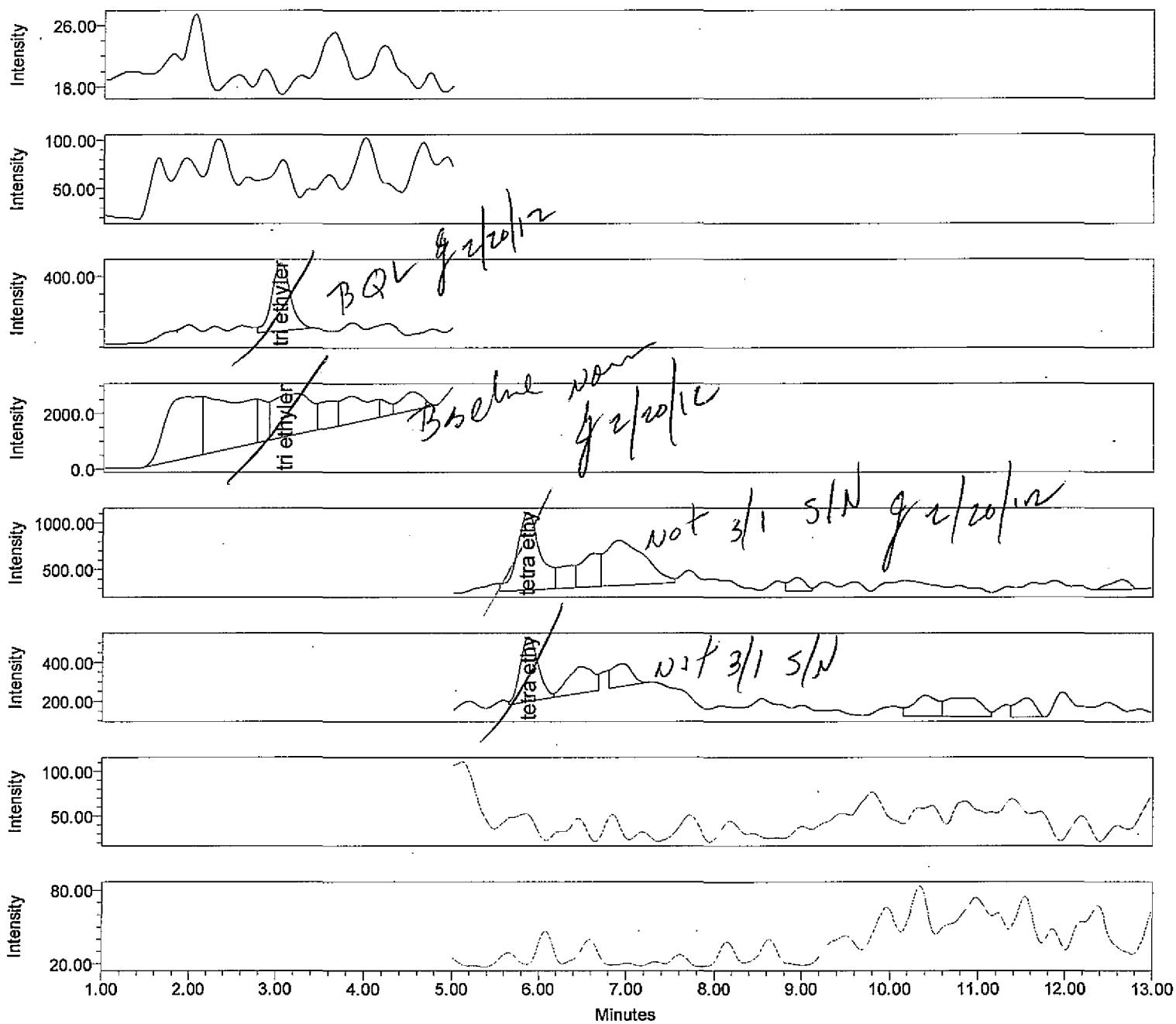
Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-24	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-24	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02092012

analyst jlg

Vial 2:32

Acq Method Set MRM 4 glycol oct 201 Date Acquired 2/15/2012 1:48:17 AM EST

Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-25	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-25	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.034	1202004-25	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	5566	384	VB

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	3.086	1202004-25	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	44459	1501	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.855	1202004-25	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	15200	831	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.873	1202004-25	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	4712	331	VV

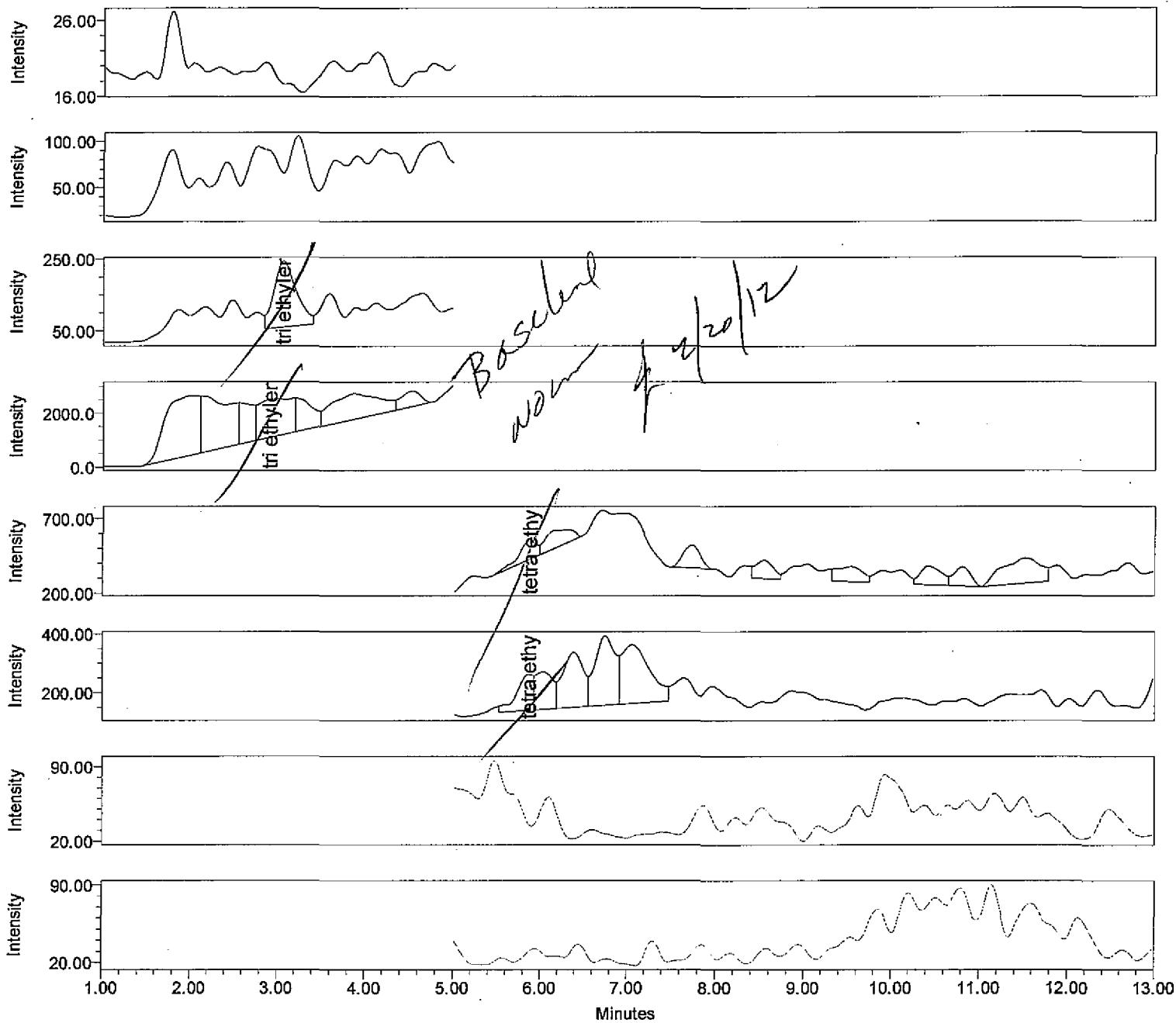
Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-25	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-25	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:33

Acq Method Set MRM 4 glycol oct 201 Date Acquired 2/15/2012 2:08:46 AM EST

Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	1202004-26	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	1202004-26	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.058	1202004-26	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	3294	183	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	2.907	1202004-26	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	36475	1423	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.877	1202004-26	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	1770	120	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.867	1202004-26	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1579	121	VV

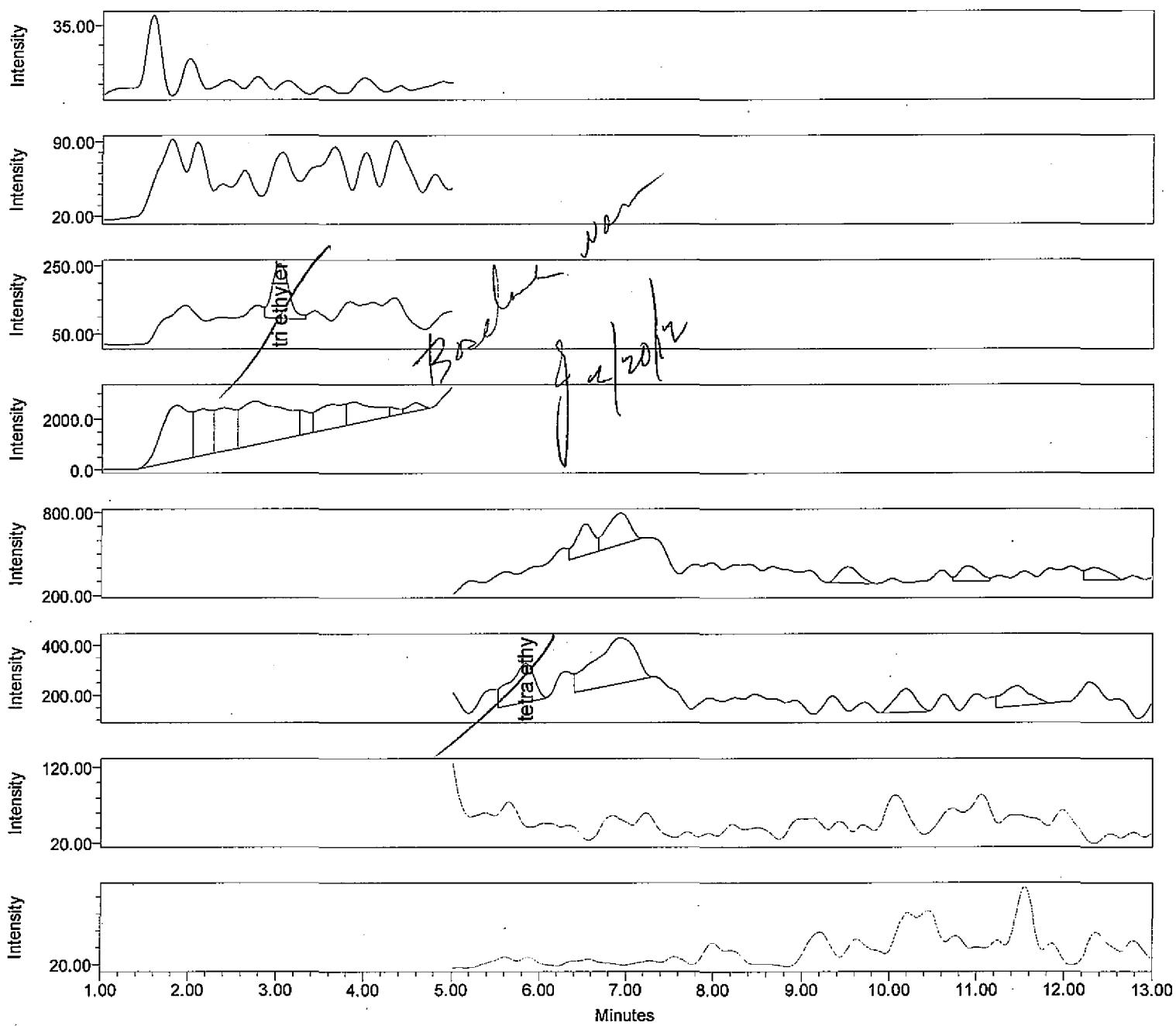
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	1202004-26	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	1202004-26	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:34

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 2:29:15 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-27	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-27	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.023	1202004-27	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	2081	160	VV

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	tri ethylene glycol conf	3.044	1202004-27	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	Missing

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	tetra ethylene glycol	5.859	1202004-27	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	Missing

Name: tetra ethylene glycol conf

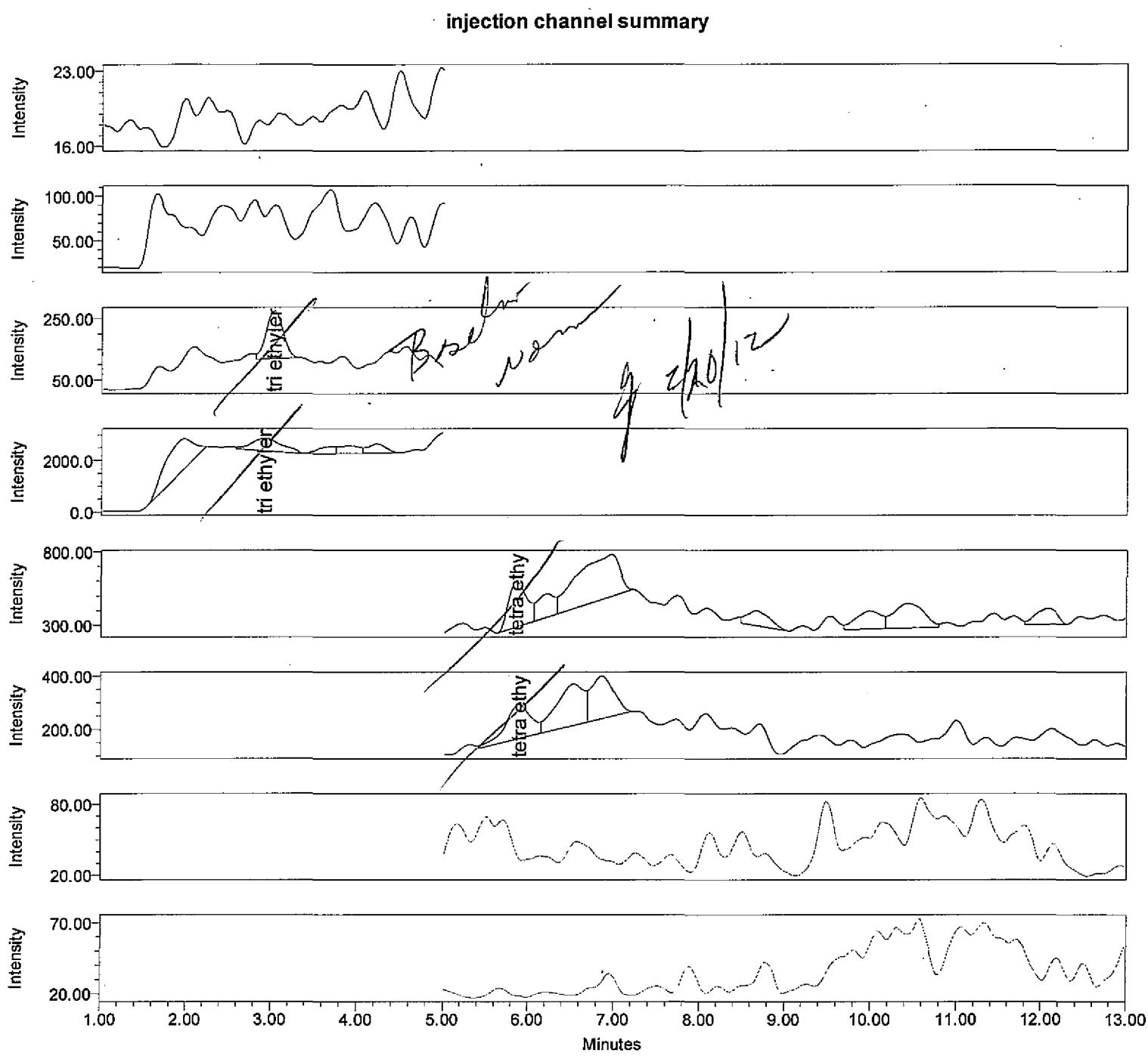
	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.839	1202004-27	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	3063	156	VV

Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-27	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-27	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02092012

analyst jlg

Vial 2:35

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 2:49:47 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-28	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-28	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.028	1202004-28	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	2093	154	VB

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	2.919	1202004-28	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	11880	483	VB

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.863	1202004-28	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	4636	310	BV

Name: tetra ethylene glycol conf

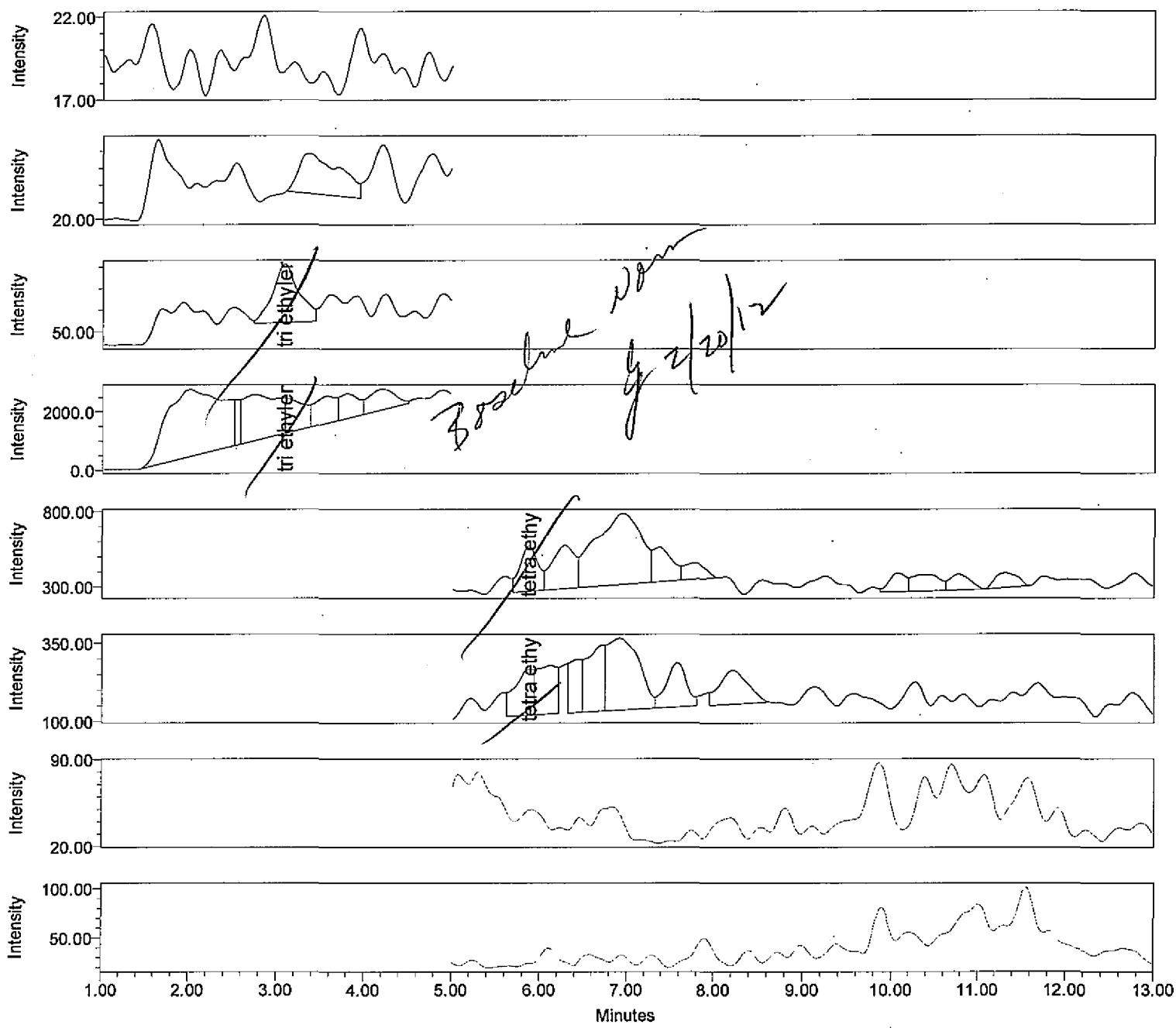
	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.899	1202004-28	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2698	128	VV

Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-28	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-28	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

jlg TQD Summary**Injection channel summary**

- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02092012

analyst jlg

Vial 2:36

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 3:10:19 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-29	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-29	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.080	1202004-29	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	2774	136	VV

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	3.086	1202004-29	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	16538	1198	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.873	1202004-29	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	4292	300	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.880	1202004-29	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2167	146	VV

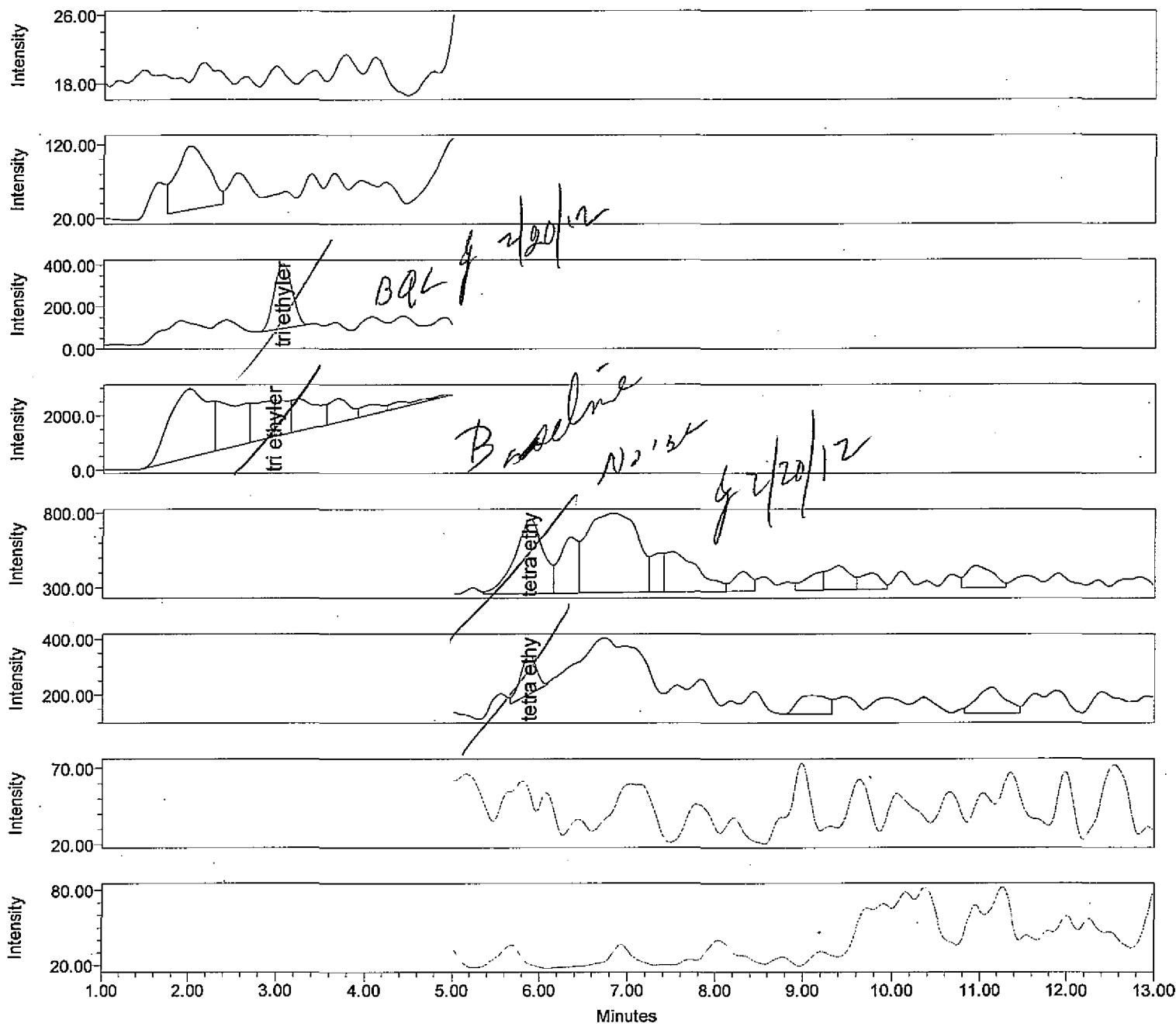
Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-29	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-29	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:37

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 3:30:50 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	1202004-30	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	1202004-30	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.057	1202004-30	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	4336	309	BB

BQL
2/15/12

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	2.962	1202004-30	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	14320	1332	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.877	1202004-30	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	11260	496	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.876	1202004-30	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1795	140	VV

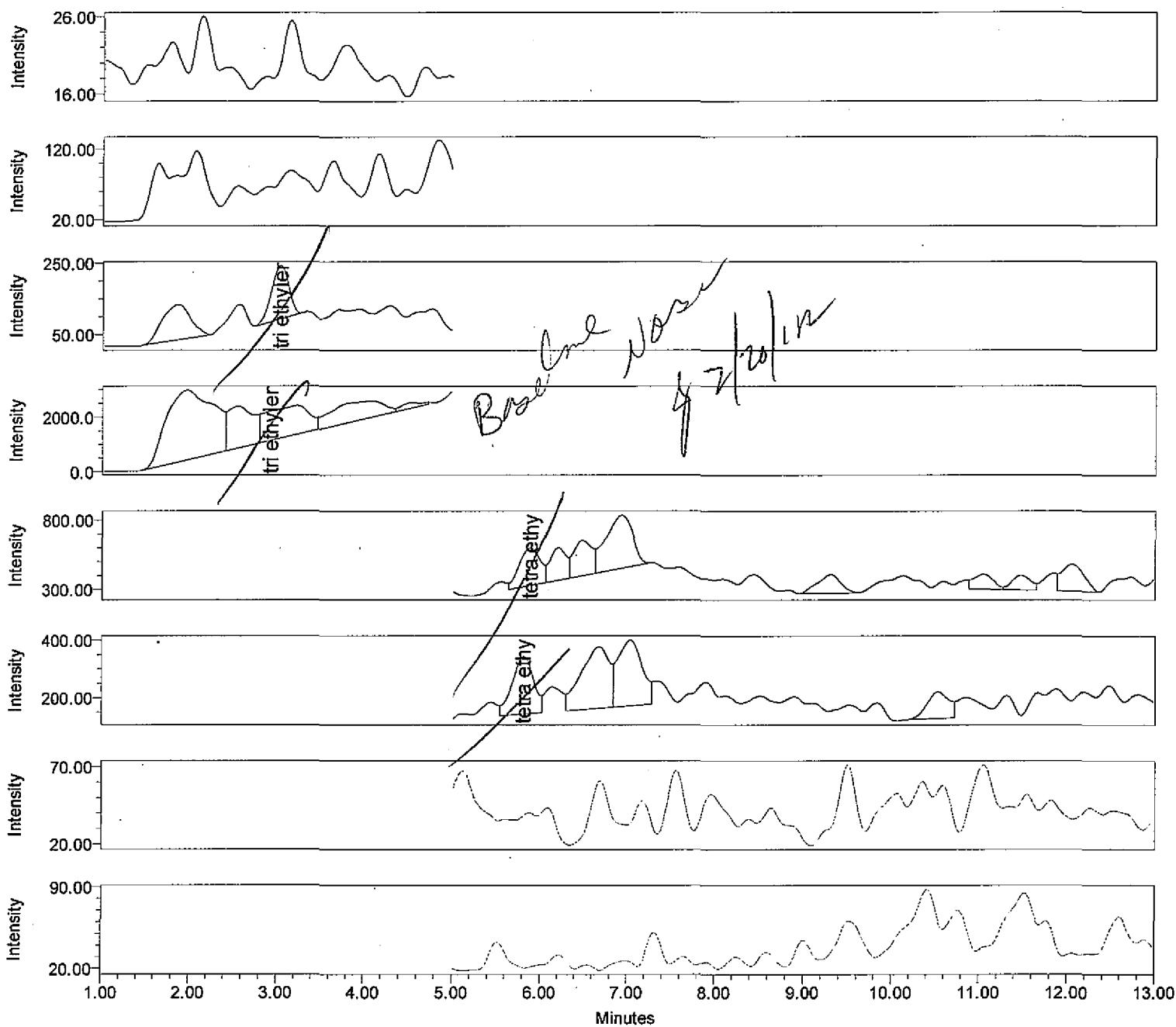
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	1202004-30	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	1202004-30	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:38

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 4:32:23 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol	1.801	1202004-31	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

	Name	RT	SampleName	Channel Description	Int Type
1	di ethylene glycol conf	1.801	1202004-31	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol	3.033	1202004-31	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	2014	149	BB

Name: tri ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tri ethylene glycol conf	2.921	1202004-31	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	37238	1074	VV

Name: tetra ethylene glycol

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol	5.881	1202004-31	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	4476	272	VV

Name: tetra ethylene glycol conf

	Name	RT	SampleName	Channel Description	Area	Height	Int Type
1	tetra ethylene glycol conf	5.808	1202004-31	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	3323	199	VV

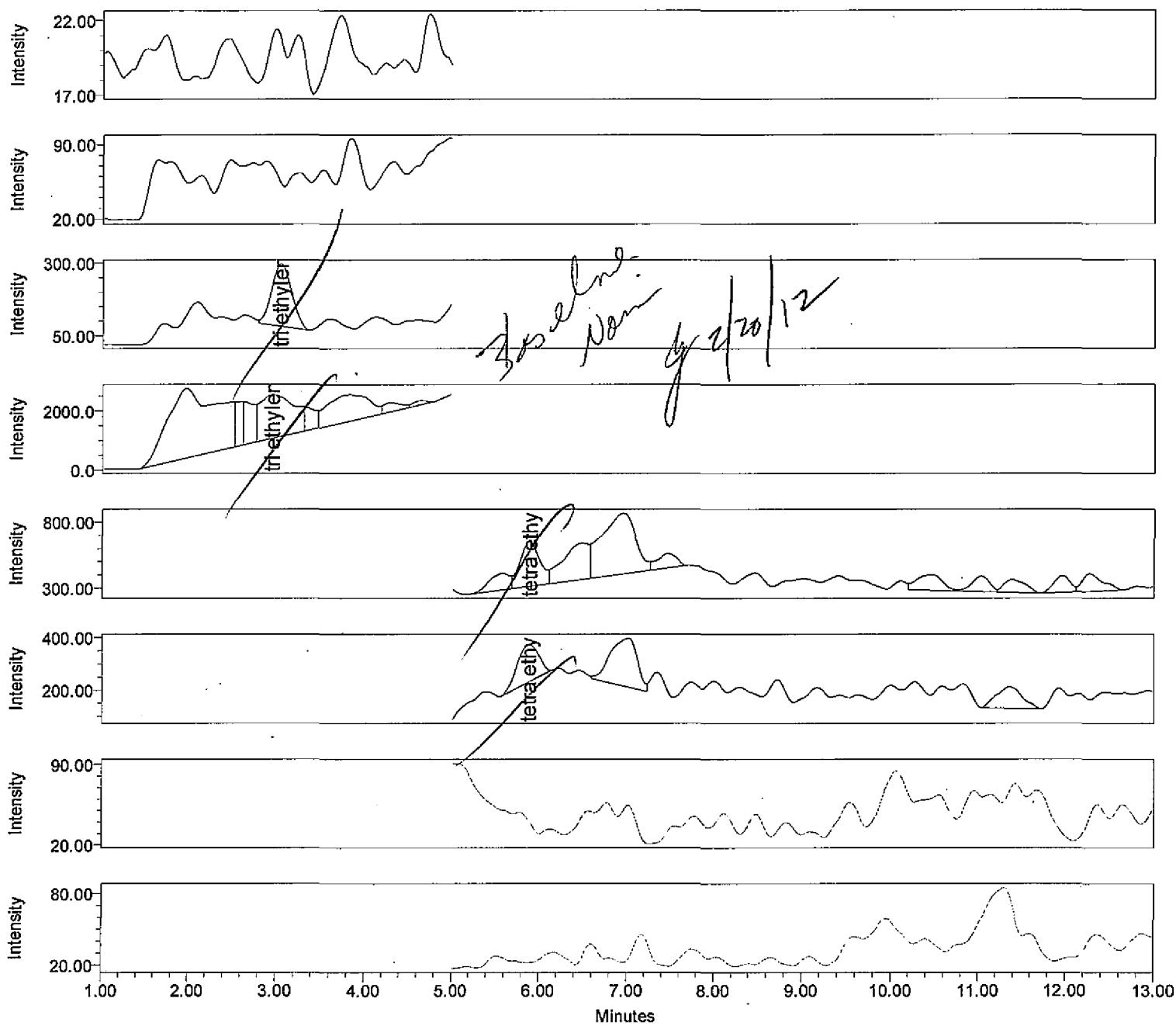
Name: 2 butoxyethanol conf

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol conf	10.859	1202004-31	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

	Name	RT	SampleName	Channel Description	Int Type
1	2 butoxyethanol	10.859	1202004-31	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date 02142012

coll_date 02102012

analyst.jlg

Vial 2:39

Acq Method Set MRM 4 glycol oct 201 Date Acquired 2/15/2012 4:52:55 AM EST

Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	1202004-32	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	1202004-32	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.046	1202004-32	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	3290	215	VB

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	2.953	1202004-32	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	38632	1471	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.894	1202004-32	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	5327	347	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.885	1202004-32	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2399	141	BB

Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	1202004-32	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	1202004-32	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

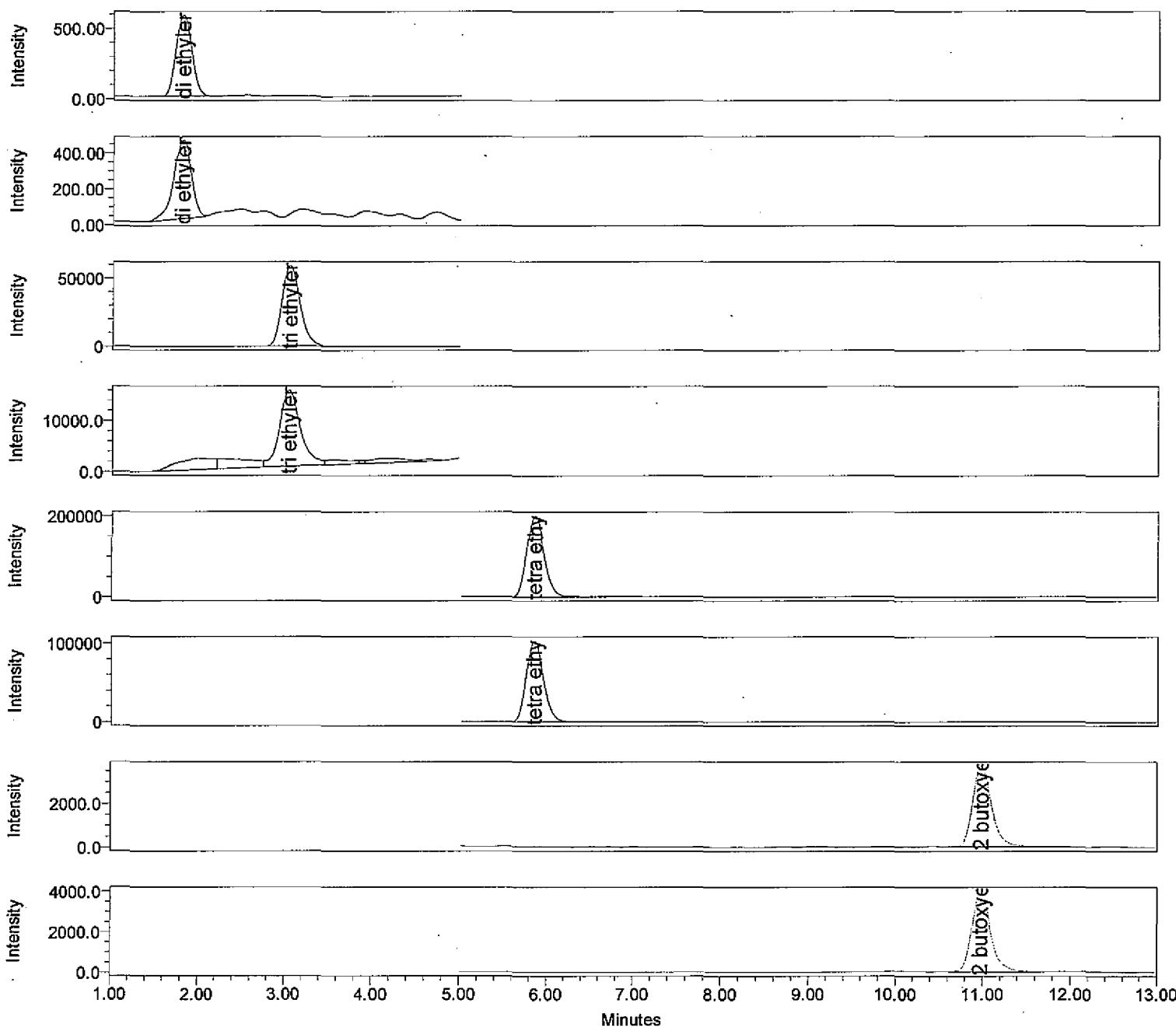
Case File Contents
HPLC Identification
Glycol by HPLC/MS/MS
WO 1202004
Dimock Residential Groundwater
DAS R33907

Quality Control Data

BB 21303
240 Glyc |

jlg TQD Summary

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

f 2/20/12

extr_date

coll_date

analyst jlg

Vial 1:5

Acq Method Set MRM 4 glycol oct 2011

Date Acquired 2/15/2012 3:51:21 AM EST

Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011

Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.800	1200059 glyc100ppbBB21303BS1 CCV	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	7121	572	92.8	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.799	1200059 glyc100ppbBB21303BS1 CCV	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	6076	434	63.9	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.041	1200059 glyc100ppbBB21303BS1 CCV	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	850763	59026	102.1	VB

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int T
1 tri ethylene glycol conf	3.040	1200059 glyc100ppbBB21303BS1 CCV	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	244260	14825	64.5	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int T
1 tetra ethylene glycol	5.855	1200059 glyc100ppbBB21303BS1 CCV	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2813486	200092	105.2	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb
1 tetra ethylene glycol conf	5.852	1200059 glyc100ppbBB21303BS1 CCV	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1434262	102943	97.3

**Name:
tetra
ethylene
glycol
conf**

Int Type
1 BB

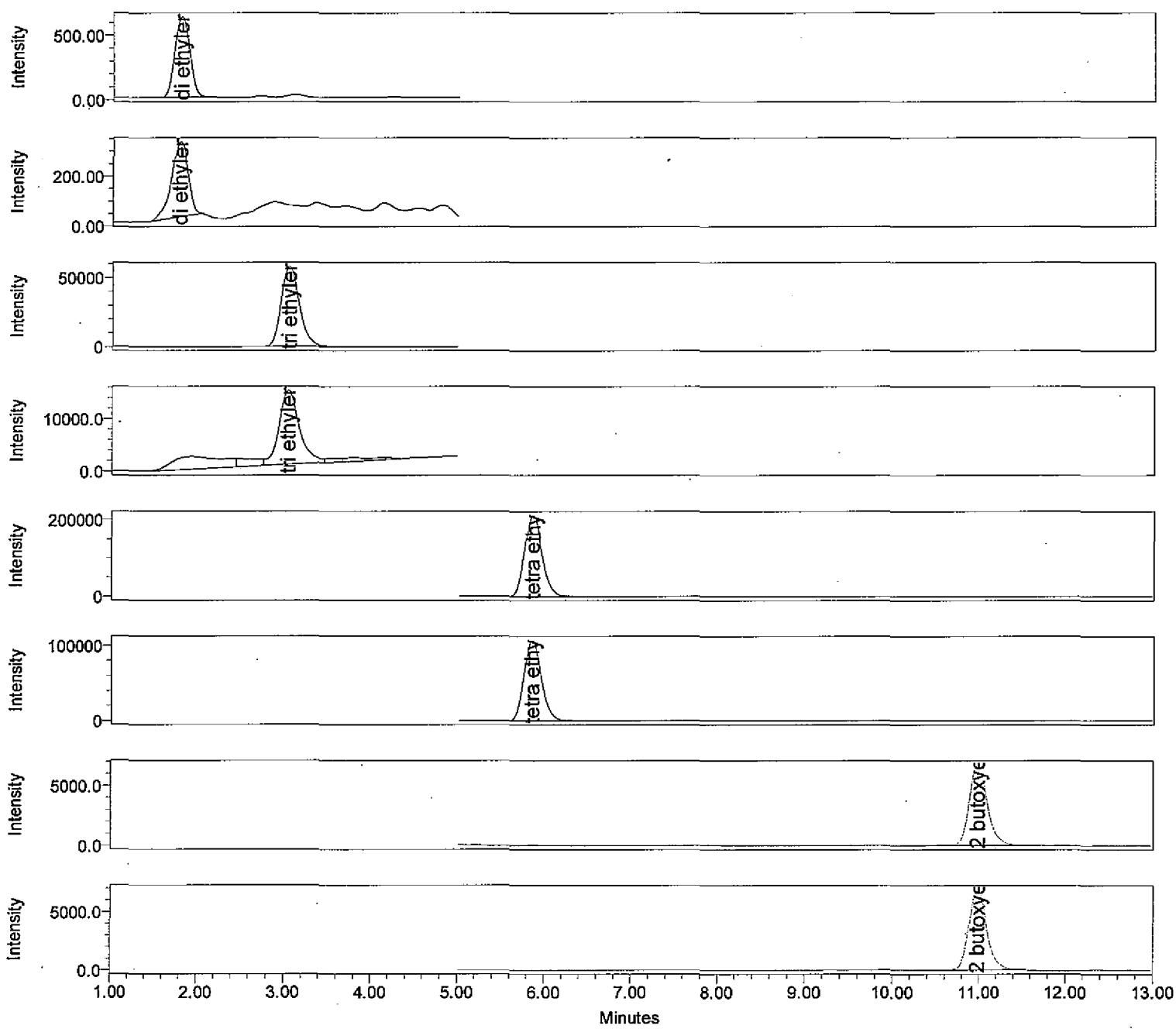
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Typ
1 2 butoxyethanol conf	10.982	1200059 glyc100ppbBB21303BS1 CCV	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	55154	3692	118.1	BB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.978	1200059 glyc100ppbBB21303BS1 CCV	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	58465	3967	117.0	BB

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

4/10/12

extr_date

coll_date

analyst jlg

Vial 1:10

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 11:24:35 PM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.801	1200011 glycol 100ppb SCV accu	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	7415	620	97.0	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 di ethylene glycol conf	1.786	1200011 glycol 100ppb SCV accu	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	4015	300	BB

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.042	1200011 glycol 100ppb SCV accu	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	832701	58097	99.3	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.038	1200011 glycol 100ppb SCV accu	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	225098	14008	50.7	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.858	1200011 glycol 100ppb SCV accu	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2961468	210719	111.6	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Ty
1 tetra ethylene glycol conf	5.854	1200011 glycol 100ppb SCV accu	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1495171	107043	102.7	BV

Name: 2 butoxyethanol conf

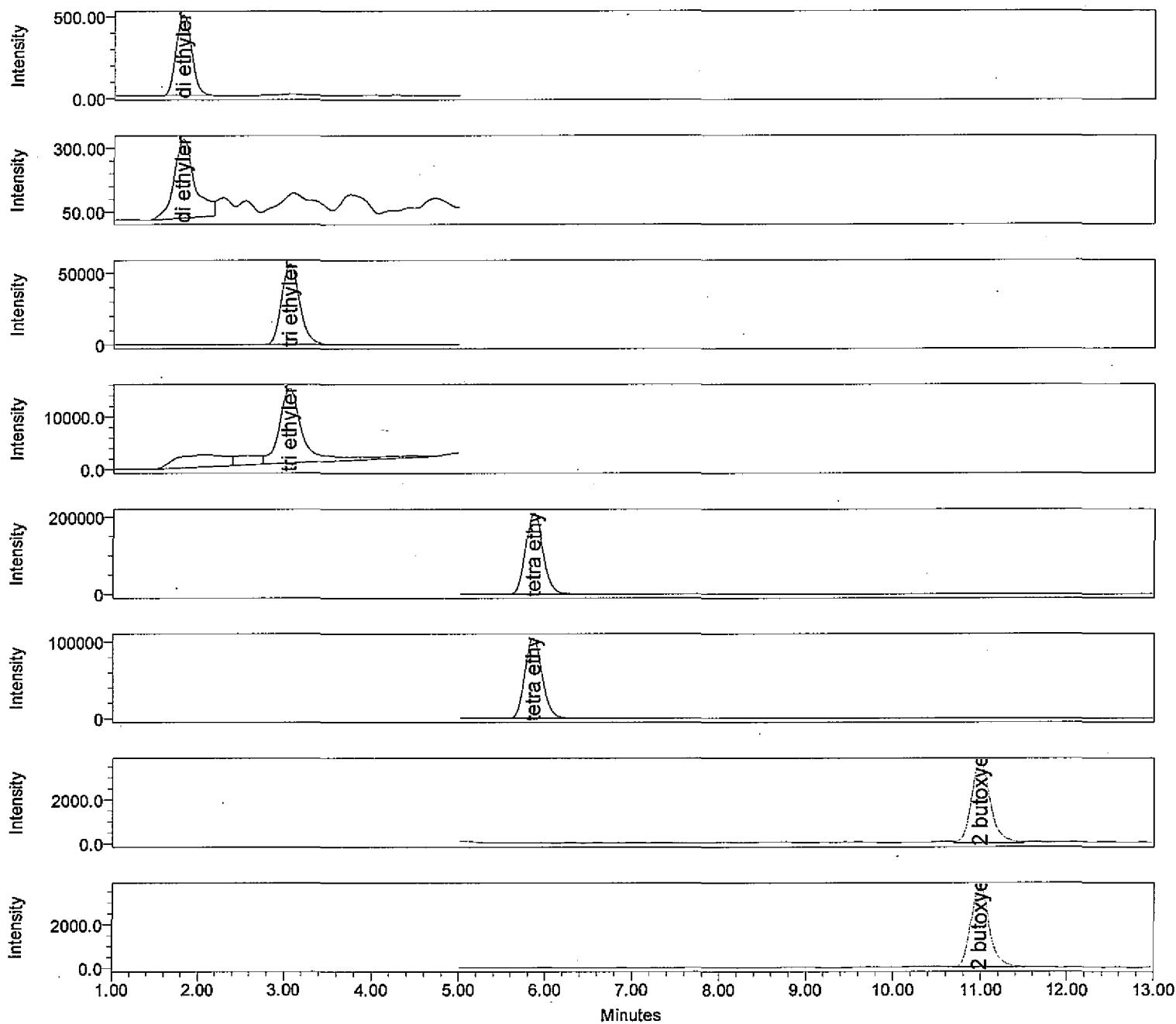
Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.985	1200011 glycol 100ppb SCV accu	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	98207	6715	215.9	VB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.984	1200011 glycol 100ppb SCV accu	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	100191	6876	203.7	BB

2Bu is 2x the expected
verbal communication from deen std
waiting for formal confirmation
of 2/20/12

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

2/20/12
use until
con 6/200011
is confirmed

extr_date

coll_date

analyst jlg

Vial 1:12

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 11:45:05 PM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.802	1100499 glycol 100ppb SCV accu	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	6056	489	77.5	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol conf	1.805	1100499 glycol 100ppb SCV accu	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	5155	307	19.1	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.047	1100499 glycol 100ppb SCV accu	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	804436	55932	95.1	VB

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.043	1100499 glycol 100ppb SCV accu	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	254953	14113	72.3	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.859	1100499 glycol 100ppb SCV accu	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2945102	209112	110.9	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Ty
1 tetra ethylene glycol conf	5.855	1100499 glycol 100ppb SCV accu	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1472109	104958	100.6	BV

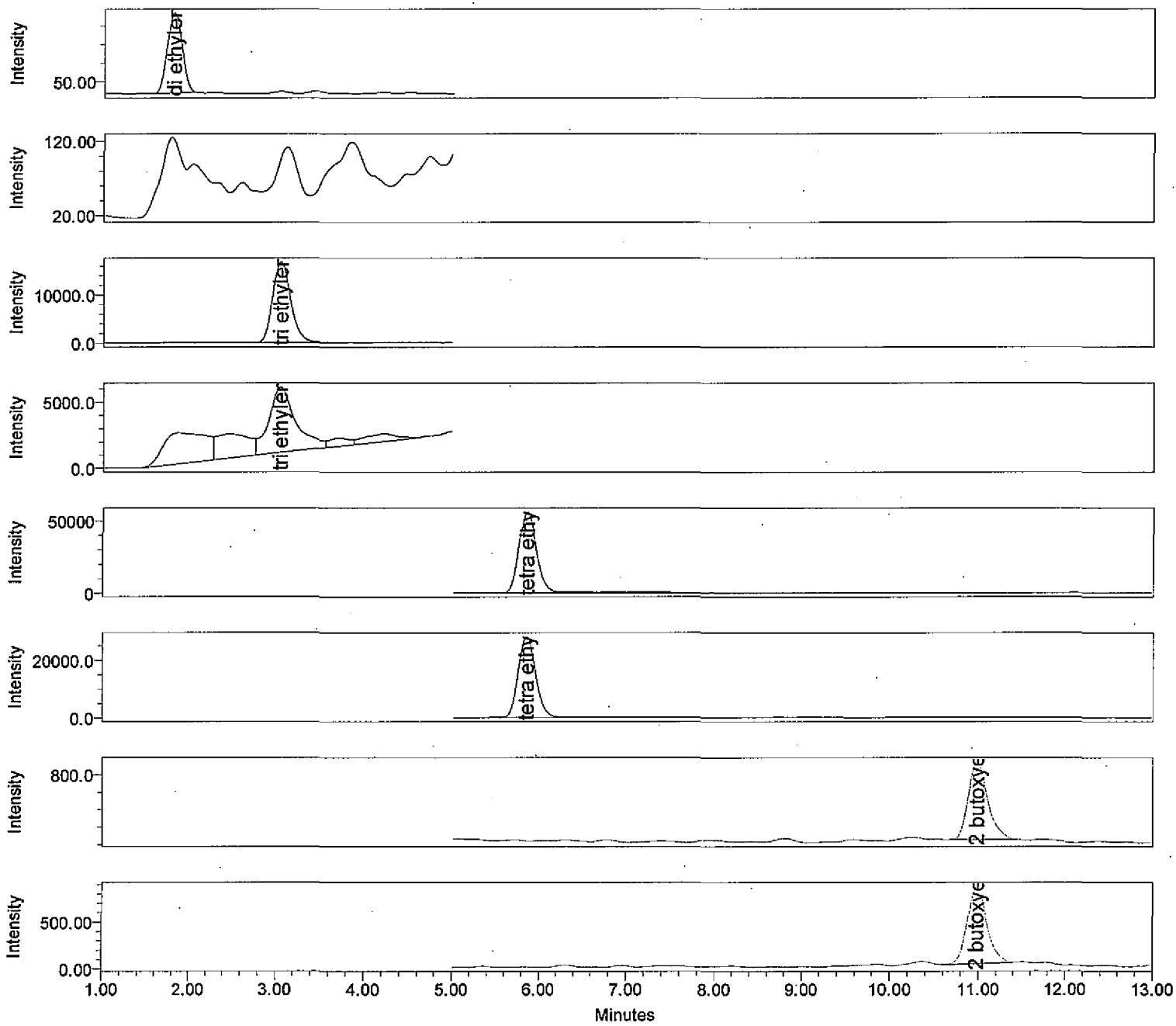
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.987	1100499 glycol 100ppb SCV accu	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	54604	3662	116.9	VV

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.984	1100499 glycol 100ppb SCV accu	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	53069	3659	105.8	VB

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

y 2/10 ✓

extr_date coll_date analyst jlg Vial 1:7
 Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 6:14:58 AM EST Injection Volume 30.00 μ L
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.804	1200061 gly low bs 25ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	2572	214	27.5	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	1200061 gly low bs 25ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.043	1200061 gly low bs 25ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	240782	16750	10.1	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.041	1200061 gly low bs 25ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	104484	4910	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.856	1200061 gly low bs 25ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	772231	55829	17.0	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.853	1200061 gly low bs 25ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	387296	28010	4.2	VV

Name: 2 butoxyethanol conf

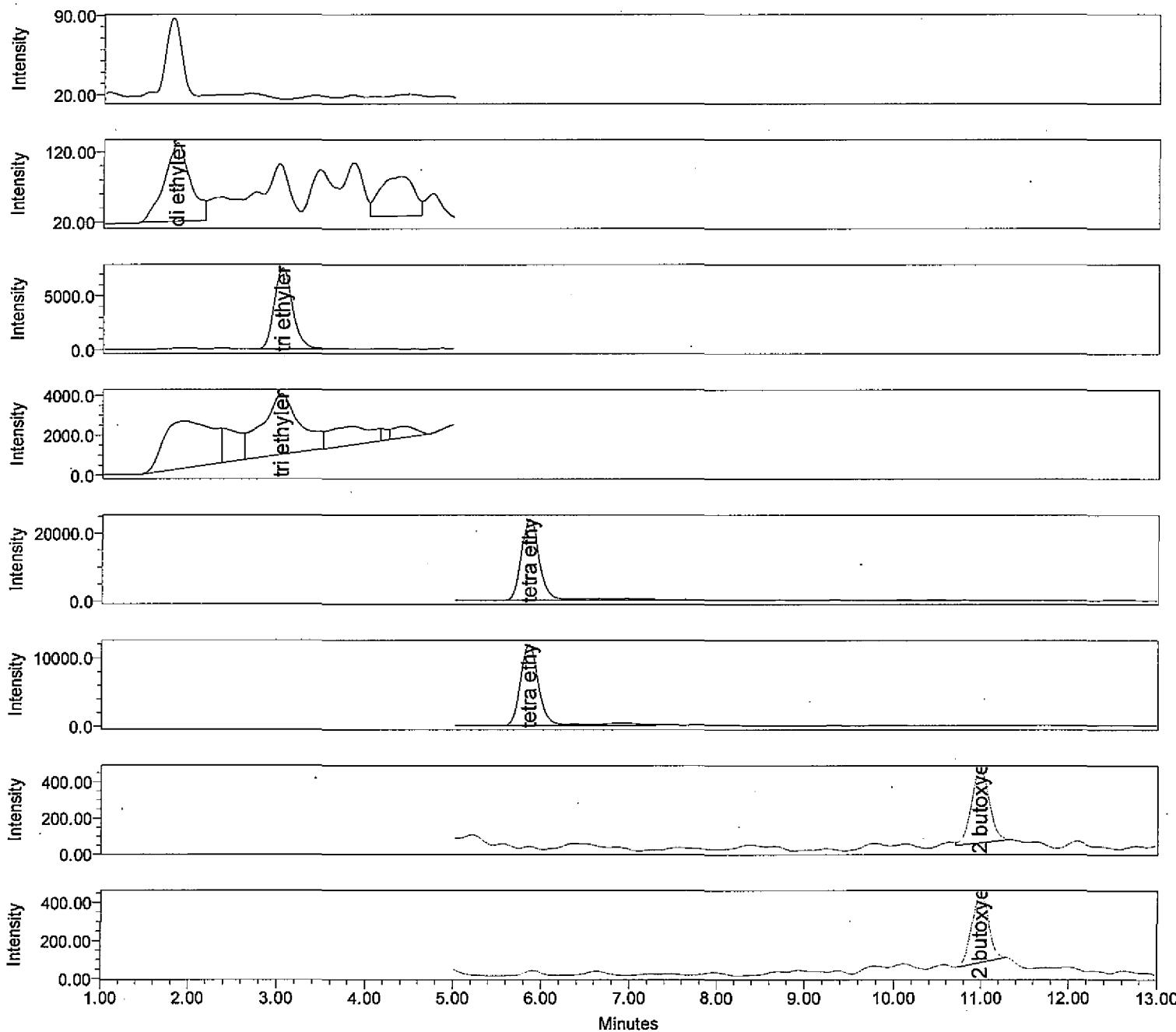
Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.980	1200061 gly low bs 25ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	13741	894	24.0	BB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.979	1200061 gly low bs 25ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	12770	824	22.1	BB

All 3 low BS detected
 by 2/10/12

Injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

*not used
for low BS
4/2/2012*

extr_date coll_date analyst jlg Vial 1:8
 Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 6:35:31 AM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	1200062 glycol mix 10ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 di ethylene glycol conf	1.839	1200062 glycol mix 10ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	2298	111	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.039	1200062 glycol mix 10ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	104491	7422	BV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.030	1200062 glycol mix 10ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	90115	3033	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.854	1200062 glycol mix 10ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	333638	23848	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.852	1200062 glycol mix 10ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	165468	11818	VV

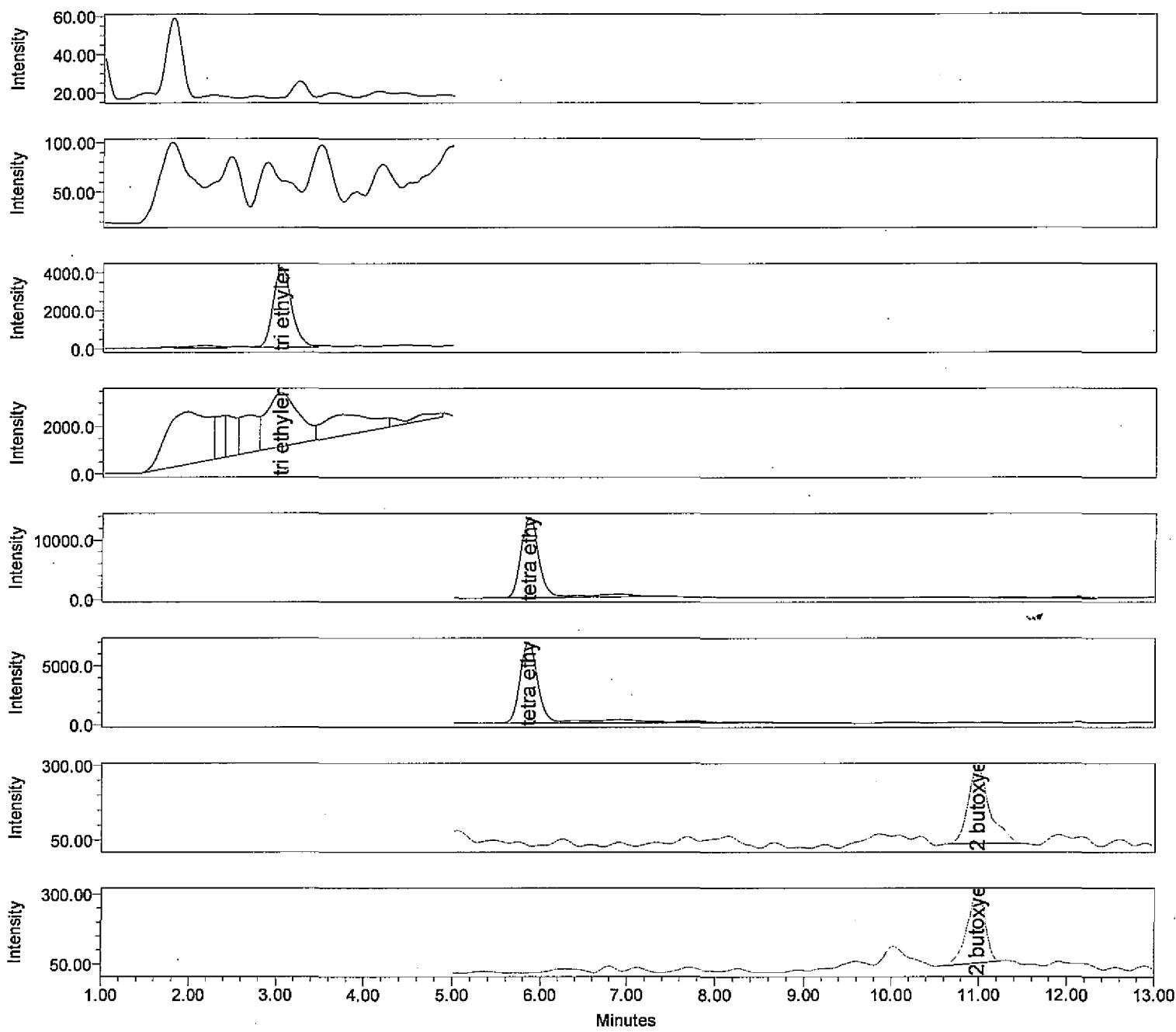
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.983	1200062 glycol mix 10ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	5758	403	5.9	VB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.990	1200062 glycol mix 10ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	4822	357	5.6	BB

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date

coll_date

analyst jlg

Vial 1:9

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 6:56:01 AM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	1200063 glycol mix 5ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	1200063 glycol mix 5ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.035	1200063 glycol mix 5ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	61396	4203	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.033	1200063 glycol mix 5ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	57774	2285	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.858	1200063 glycol mix 5ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	187596	13491	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.853	1200063 glycol mix 5ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	96136	6871	BV

Name: 2 butoxyethanol conf

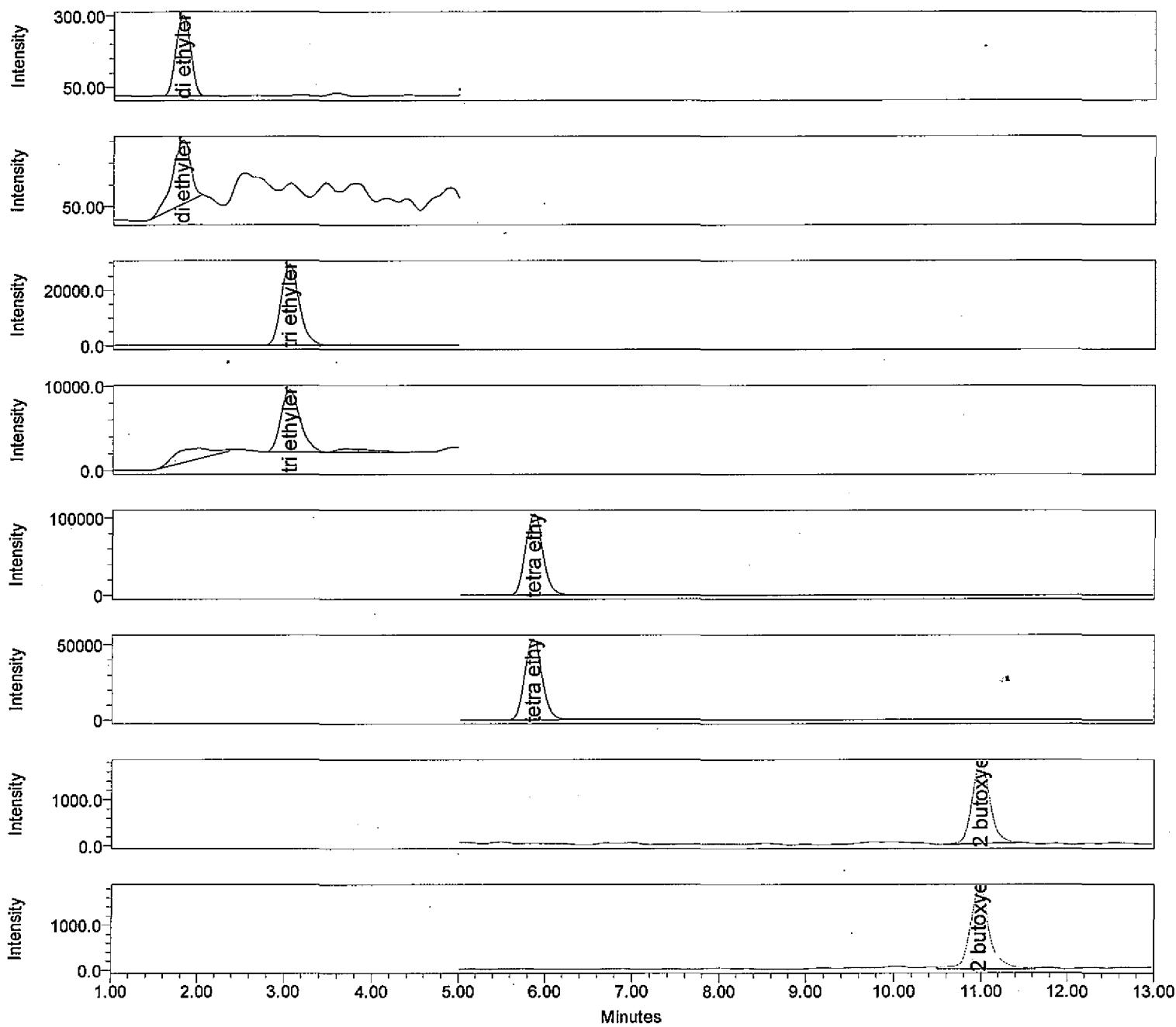
Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.978	1200063 glycol mix 5ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	4360	255	2.7	BB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.980	1200063 glycol mix 5ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	3653	255	3.2	BB

1, w BS detected
by 2/10/12.

Injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

✓ 2/20/12

extr_date

coll_date

analyst jlg

Vial 1:6

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 7:16:33 AM EST

Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.802	CCV 1200060 glycol 50ppb ultra	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	3324	281	38.3	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 di ethylene glycol conf	1.804	CCV 1200060 glycol 50ppb ultra	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	2141	147	BB

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.043	CCV 1200060 glycol 50ppb ultra	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	419574	29155	37.0	BB

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.045	CCV 1200060 glycol 50ppb ultra	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	111720	7384	BV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.859	CCV 1200060 glycol 50ppb ultra	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	1452817	104630	46.4	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.856	CCV 1200060 glycol 50ppb ultra	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	741266	53626	35.6	VV

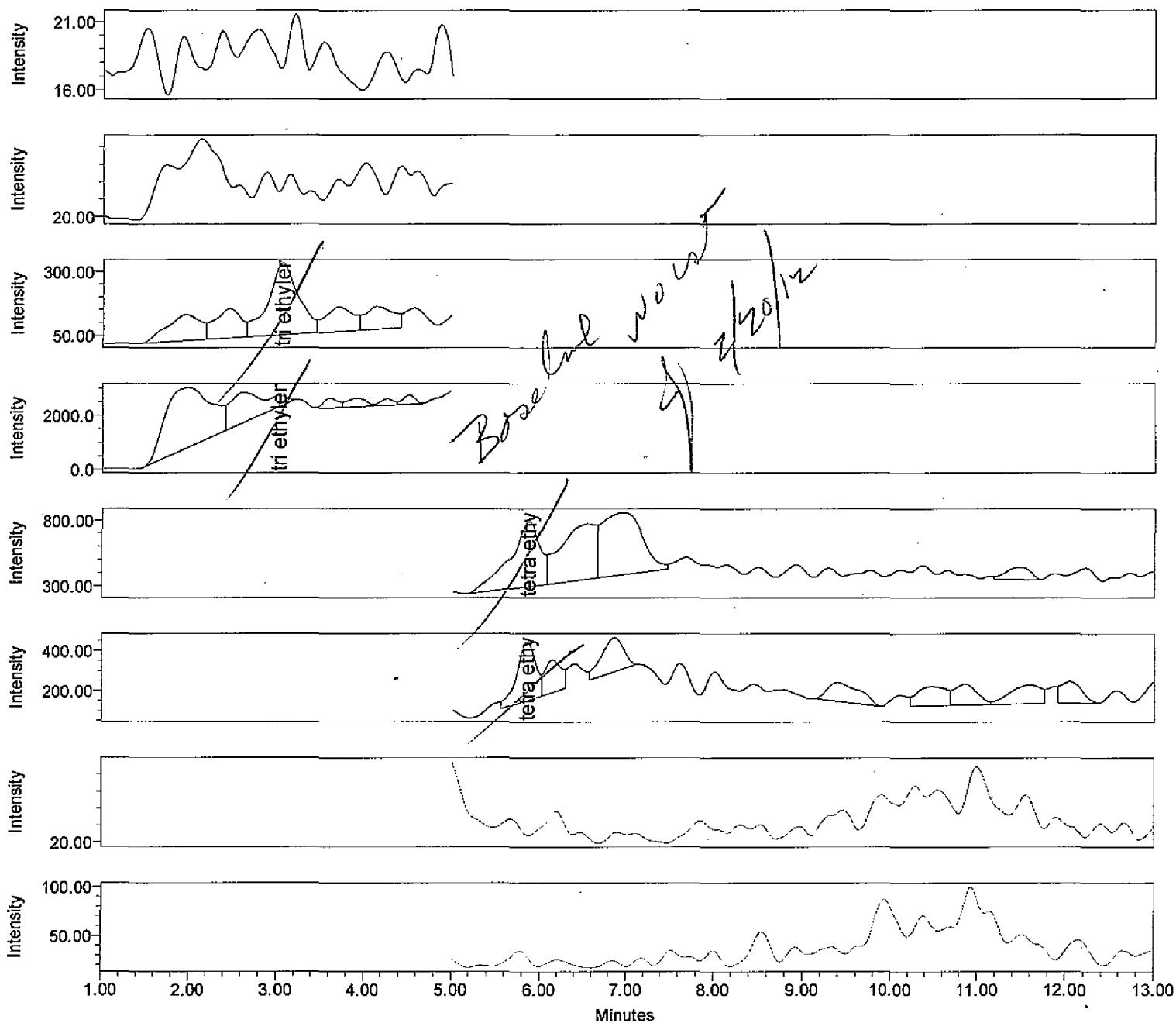
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.987	CCV 1200060 glycol 50ppb ultra	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	25030	1721	49.7	BB

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.975	CCV 1200060 glycol 50ppb ultra	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	27793	1780	53.3	VV

injection channel summary



- Channel: TQ 1; MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1; MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2; MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2; MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3; MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3; MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4; MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4; MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date coll_date analyst jlg Vial 2:1
 Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/14/2012 7:59:27 PM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	LCB 1	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	LCB 1	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol	3.052	LCB 1	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	6725	280	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.017	LCB 1	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	2112	418	BV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.865	LCB 1	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	11714	496	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.849	LCB 1	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	4383	293	VV

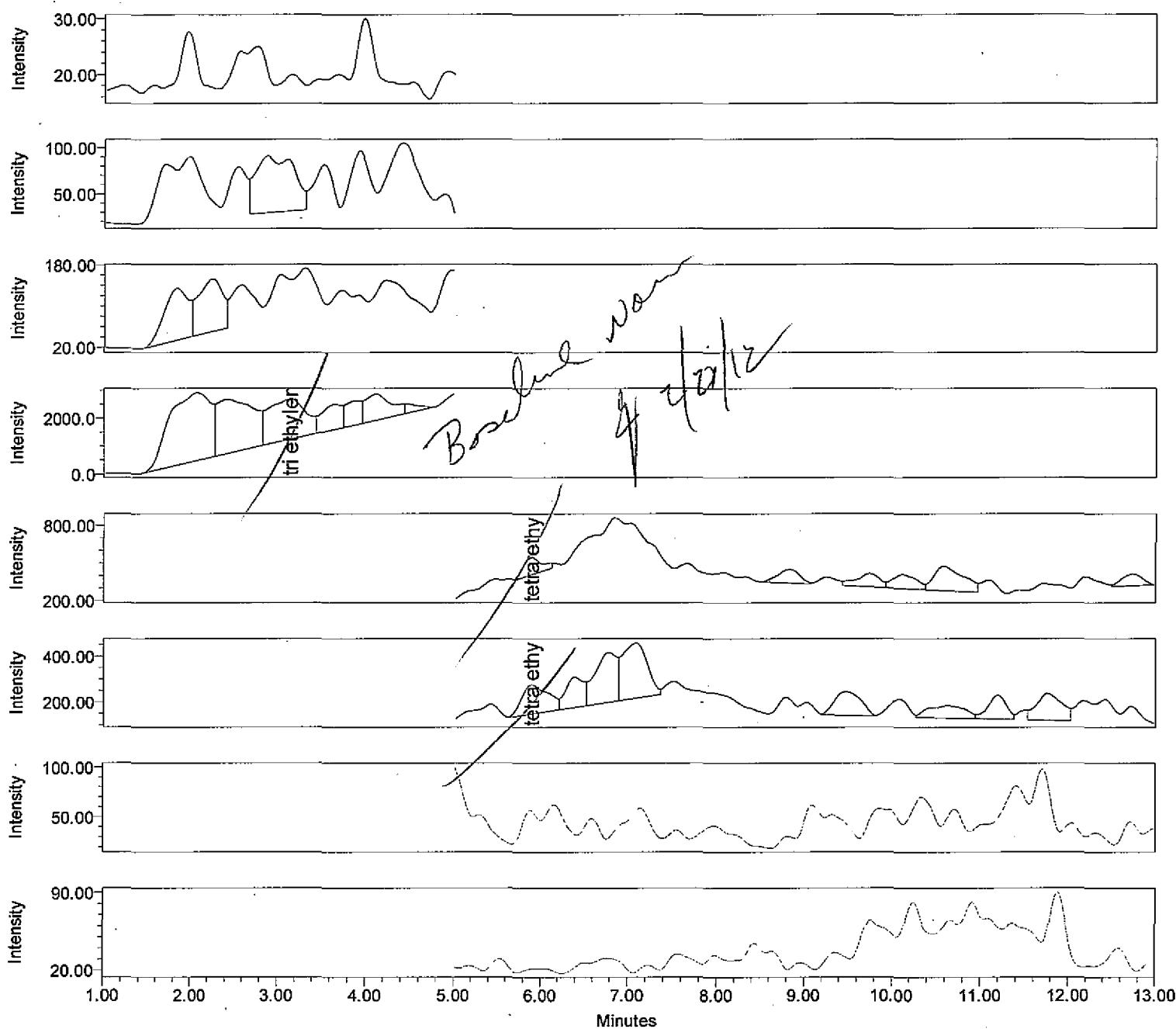
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	LCB 1	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	LCB 1	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date coll_date analyst jlg Vial 2:9
 Acq Method Set MRM 4 glycol oct 201 Date Acquired 2/15/2012 12:05:34 AM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	LCB 2 - BB21303 BLK1	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	LCB 2 - BB21303 BLK1	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 tri ethylene glycol	3.044	LCB 2 - BB21303 BLK1	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	Missing

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.145	LCB 2 - BB21303 BLK1	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	42547	1443	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.894	LCB 2 - BB21303 BLK1	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	1946	134	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.893	LCB 2 - BB21303 BLK1	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2667	127	BV

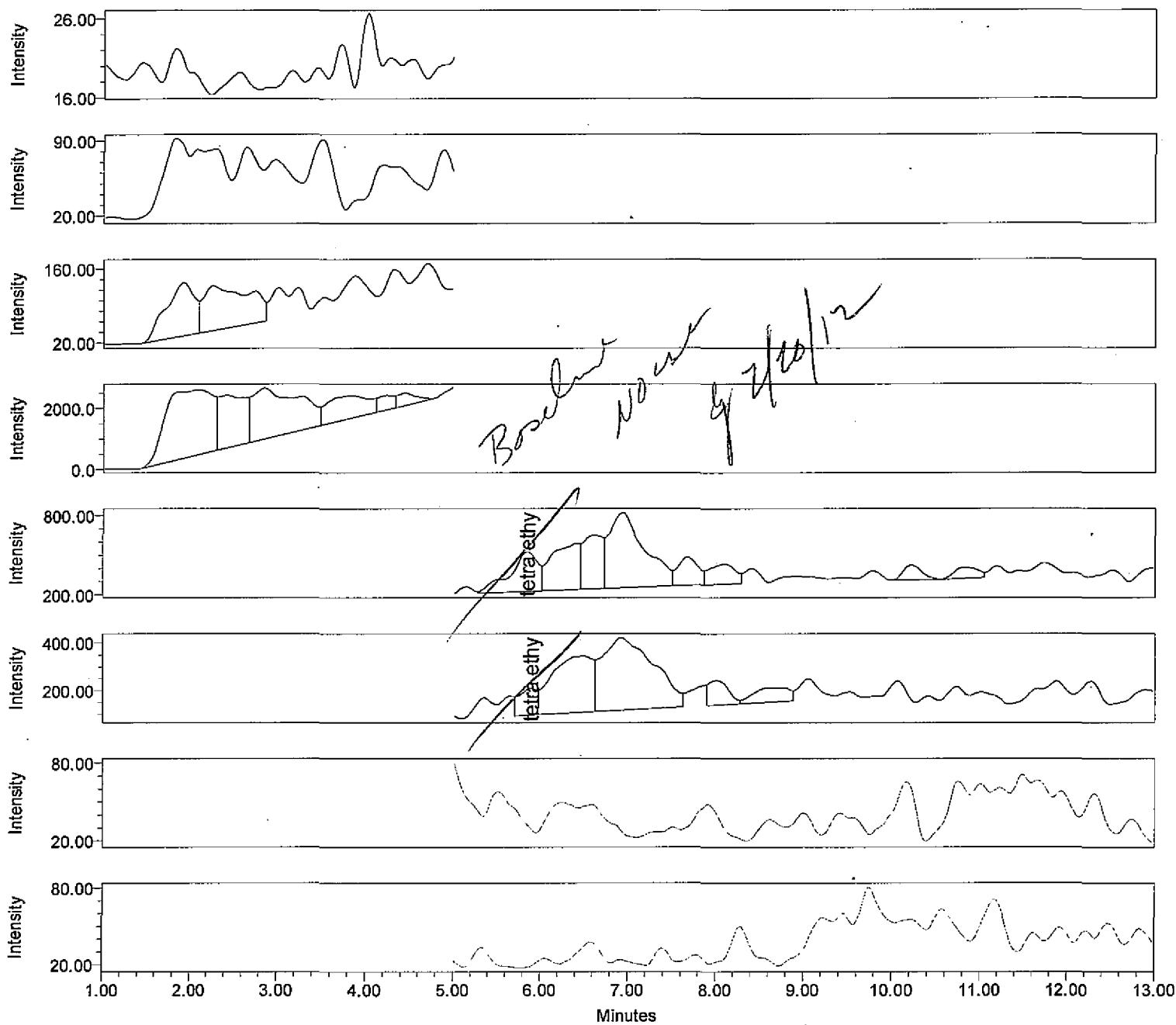
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	LCB 2 - BB21303 BLK1	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	LCB 2 - BB21303 BLK1	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



—— Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date

coll_date

analyst jlg

Vial 2:9

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 4:11:50 AM EST

Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock glyc proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	LCB 3	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	LCB 3	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 tri ethylene glycol	3.044	LCB 3	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	Missing

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 tri ethylene glycol conf	3.044	LCB 3	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	Missing

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.852	LCB 3	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	6580	297	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.894	LCB 3	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1633	112	VV

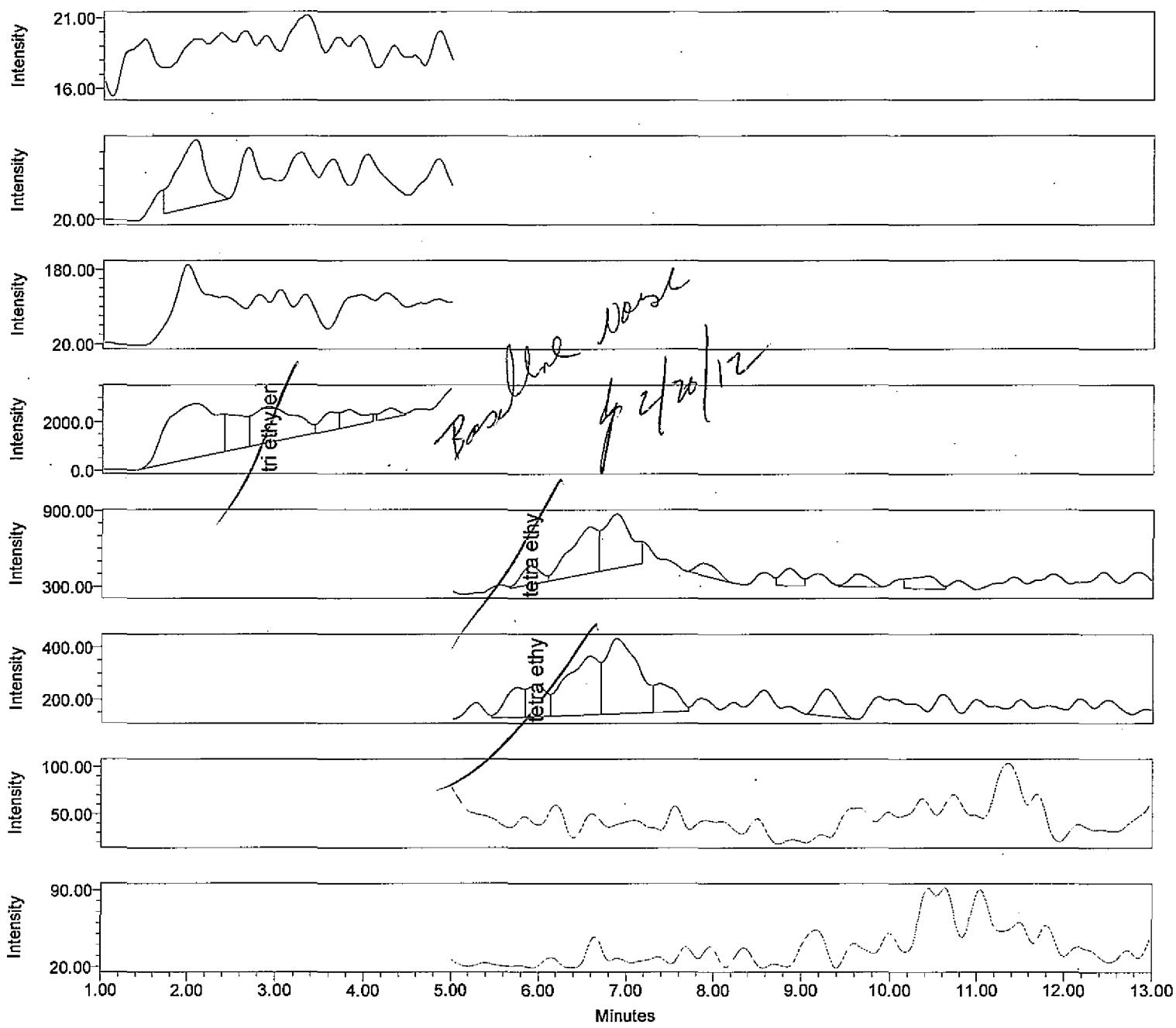
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	LCB 3	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	LCB 3	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



- Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
- Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date coll_date analyst JLG Vial 2:9
 Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 5:54:26 AM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	LCB 4	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	LCB 4	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 tri ethylene glycol	3.044	LCB 4	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	Missing

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	2.913	LCB 4	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	47513	1487	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.900	LCB 4	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2207	145	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.961	LCB 4	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1860	121	VV

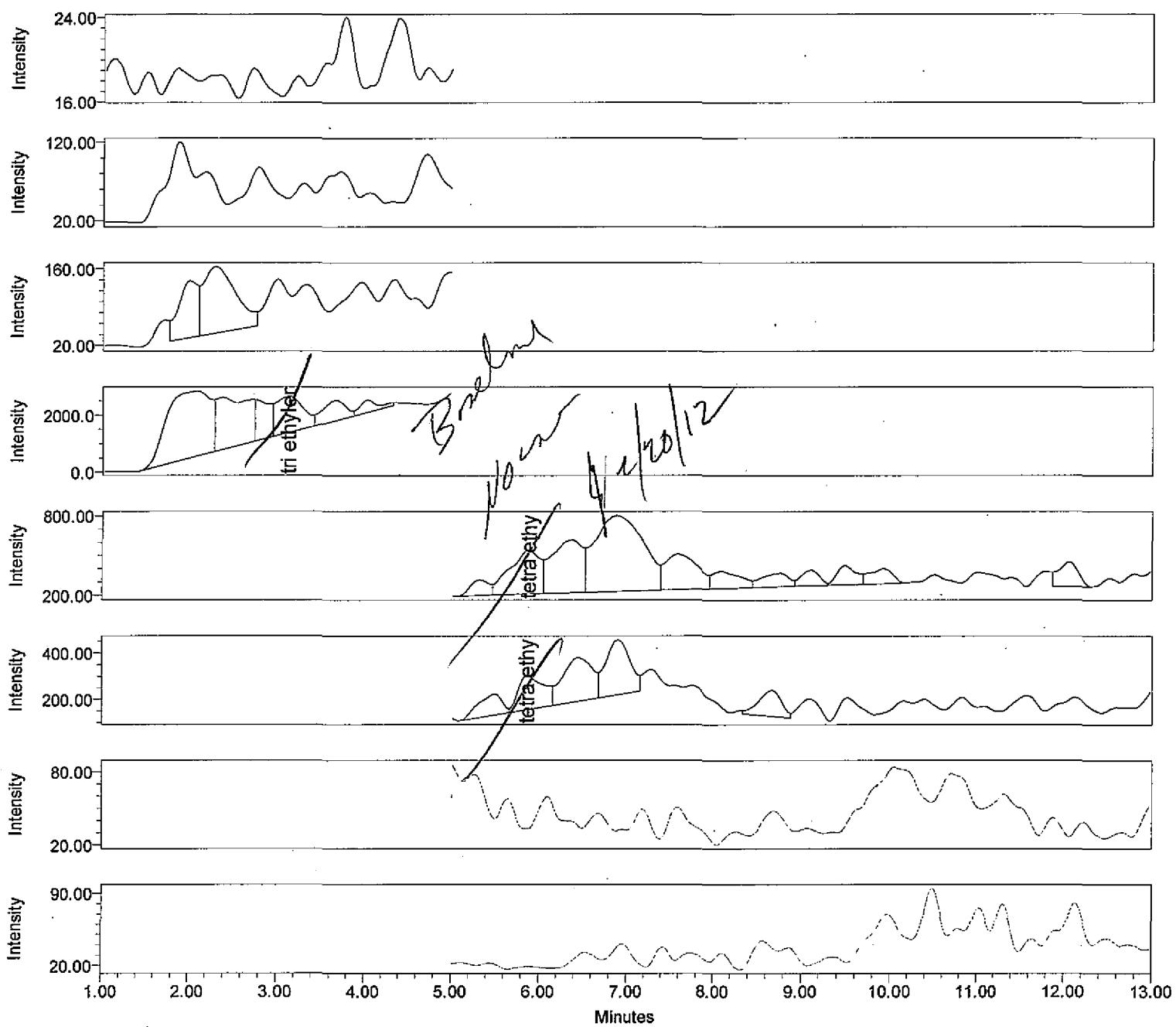
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	LCB 4	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	LCB 4	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

extr_date

coll_date

analyst jlg

Vial 2:9

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 7:37:03 AM EST Injection Volume 30.00 uL
 Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol	1.801	LCB 5	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	Missing

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Int Type
1 di ethylene glycol conf	1.801	LCB 5	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	Missing

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Int Type
1 tri ethylene glycol	3.044	LCB 5	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	Missing

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tri ethylene glycol conf	3.126	LCB 5	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	26883	1266	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol	5.878	LCB 5	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	7883	332	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 tetra ethylene glycol conf	5.862	LCB 5	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	2902	145	VV

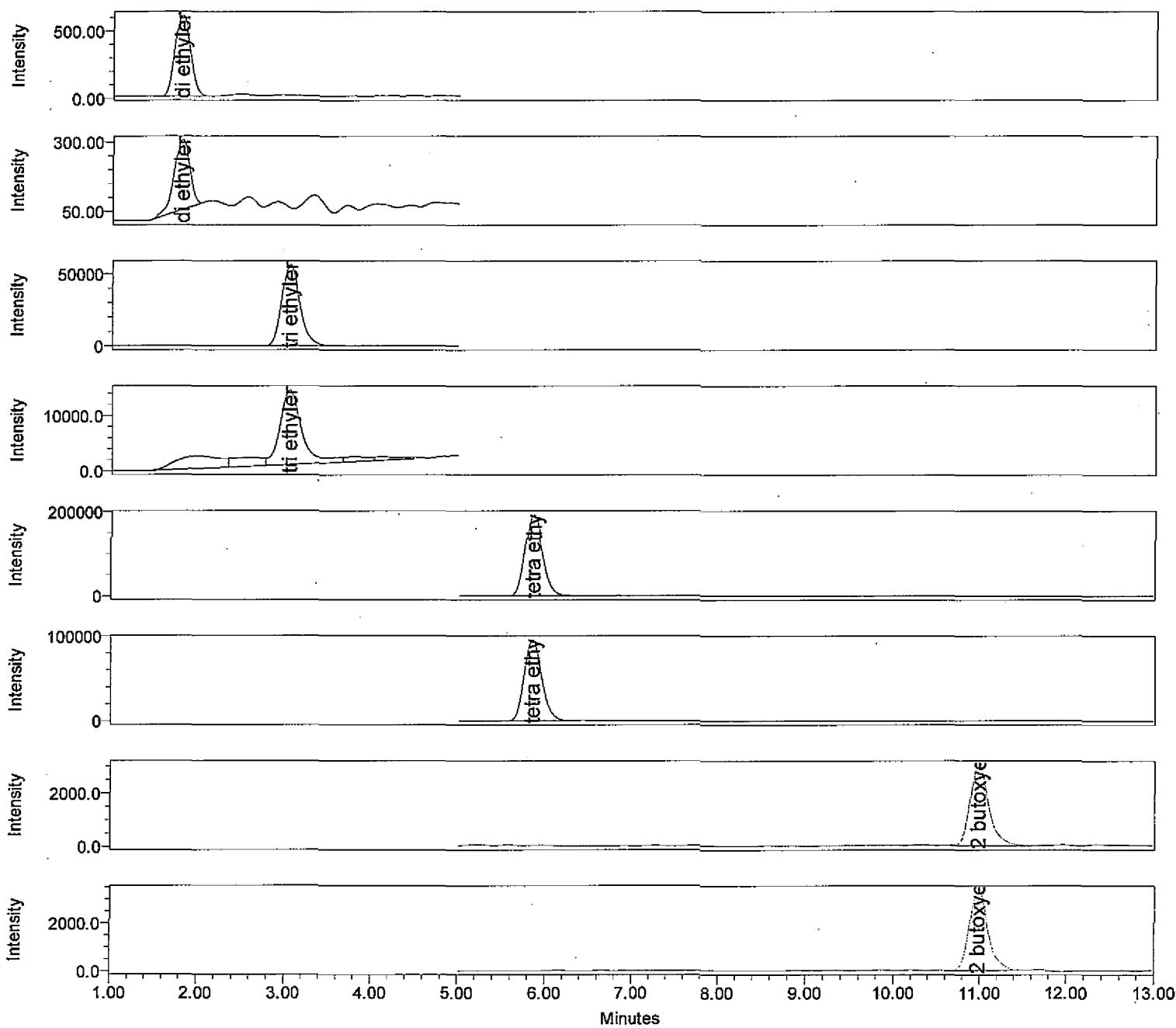
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol conf	10.859	LCB 5	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	Missing

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Int Type
1 2 butoxyethanol	10.859	LCB 5	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	Missing

injection channel summary



—— Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
—— Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

f 2/20/12

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:40

Acq Method Set MRM 4 glycol oct 2011 Date Acquired 2/15/2012 5:13:28 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.799	1202004-21MS BB21303-MS1	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	7382	599	96.5	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 di ethylene glycol conf	1.805	1202004-21MS BB21303-MS1	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	3134	250	BB

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.043	1202004-21MS BB21303-MS1	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	810141	56194	95.9	VV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.041	1202004-21MS BB21303-MS1	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	231592	13422	55.4	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.856	1202004-21MS BB21303-MS1	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2692740	192147	99.9	BV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.853	1202004-21MS BB21303-MS1	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1324127	95334	87.5	BB

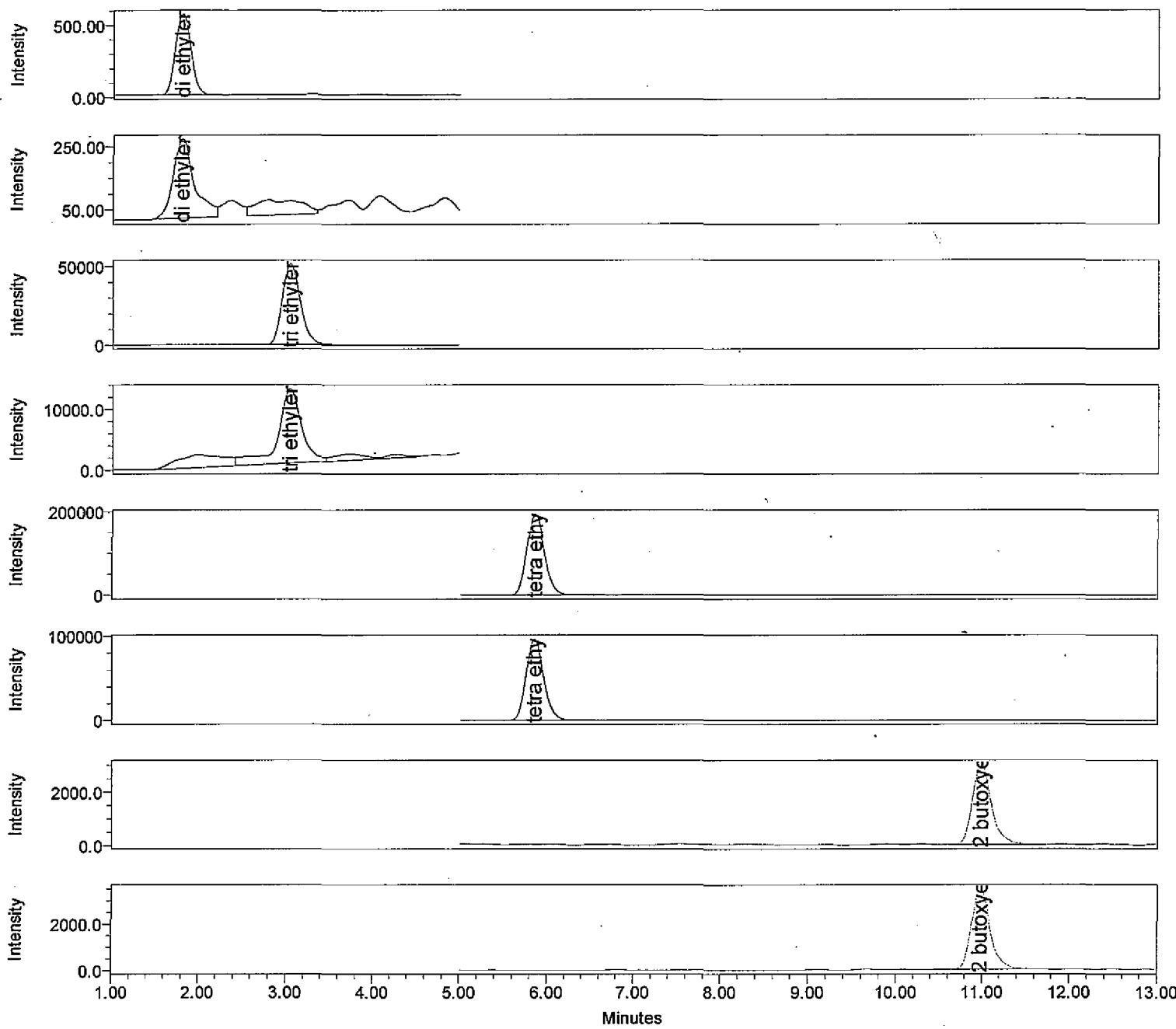
Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.985	1202004-21MS BB21303-MS1	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	45172	2995	95.4	BV

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.983	1202004-21MS BB21303-MS1	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	49811	3344	99.1	VB

Injection channel summary



Channel: TQ 1: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 1: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 2: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 3: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch1; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1
Channel: TQ 4: MRM Ch2; Acq Meth set MRM 4 glycol oct 2011; Sample Set WO 1202004 Dimock glycol run 1

g 2/20/12

extr_date 02142012

coll_date 02102012

analyst jlg

Vial 2:41

Acq Method Set MRM 4 glycol oct 201 Date Acquired 2/15/2012 5:33:57 AM EST Injection Volume 30.00 uL

Instrument Method Name MRM 4 glycol oct 2011 Processing Method WO 1202004 Dimock gly proc

Name: di ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 di ethylene glycol	1.800	1202004-21MSD BB21303-MSD1	1: MRM Ch1 106.94>44.90 ES+, CV=18 CE=48	6937	557	90.1	BB

Name: di ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Int Type
1 di ethylene glycol conf	1.798	1202004-21MSD BB21303-MSD1	1: MRM Ch2 106.94>88.40 ES+, CV=18 CE=22	4227	250	BV

Name: tri ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol	3.042	1202004-21MSD BB21303-MSD1	2: MRM Ch1 150.97>45.10 ES+, CV=24 CE=26	747167	51486	86.4	BV

Name: tri ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tri ethylene glycol conf	3.040	1202004-21MSD BB21303-MSD1	2: MRM Ch2 150.97>89.00 ES+, CV=24 CE=24	229174	12159	53.6	VV

Name: tetra ethylene glycol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol	5.857	1202004-21MSD BB21303-MSD1	3: MRM Ch1 195.05>45.10 ES+, CV=22 CE=22	2716159	194149	101.0	VV

Name: tetra ethylene glycol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 tetra ethylene glycol conf	5.853	1202004-21MSD BB21303-MSD1	3: MRM Ch2 195.05>89.00 ES+, CV=22 CE=20	1347519	96261	89.6	VV

Name: 2 butoxyethanol conf

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol conf	10.986	1202004-21MSD BB21303-MSD1	4: MRM Ch1 118.93>57.10 ES+, CV=16 CE=20	45777	2998	96.8	BV

Name: 2 butoxyethanol

Name	RT	SampleName	Channel Description	Area	Height	Amt ppb	Int Type
1 2 butoxyethanol	10.981	1202004-21MSD BB21303-MSD1	4: MRM Ch2 118.93>63.00 ES+, CV=16 CE=14	50856	3453	101.2	VB